STIC
Scientific & Technical Information Center

Search Report
EIC 3600

Search Notes

Dear Examiner DURAN:

Please review the following results.

If you have an questions or need a refocused please feel to contact me.

Christian Miner, MLIS
ASRC Management Services
US Patent & Trademark Office
Scientific & Technical Information Center
Electronic Information Center 3600

[File 350] **Derwent WPIX** 1963-2007/UD=200740
File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit http://www.dialog.com/dwpi/.

[File 347] **JAPIO** Dec 1976-2006/Dec(Updated 070403)

[File 348] **EUROPEAN PATENTS** .1978-2007/ 200725
File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070621UT=20070614
File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

```
; d s
Set      Items    Description
S1        1624    S AU=(SHIDA, T? OR SHIDA T? OR SHIDA(1N)(T OR TOMOHITO))
S2      221475    S IC=(G06F-017/60 OR G07G- 001/12)
S3     1026620    S (RESERVATION? ? OR RESERVED OR RATE(1W)RESERVATION OR LIMIT?? OR
VISITING OR BOOK OR BOOKED OR BOOKING OR SCHEDULE? ? OR SCHEDULING OR SET()UP OR ZONE OR
SET OR PERIOD? ? OR SPAN? ?) (3N) (TIME OR HOURS)
S4          46    S S1 AND S3
S5           3    S S4 AND S2
```

0011115447 *Drawing available*
WPI Acc no: 2002-051614/200207
XRPX Acc No: N2002-038129
Transactions reservation reception method used in stores, involves reserving privilege transaction to customer if visiting time of customer falls within time zone determined by stores
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: **SHIDA T**

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001265987	A	20010928	JP 200074889	A	20000316	200207	B

Priority Applications (no., kind, date): JP 200074889 A 20000316

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2001265987	A	JA	12	12	

Alerting Abstract JP A
NOVELTY - Time based transactions privilege information of a store is provided to several customers through a network. Transaction reservation information selected by the customer from the transaction privilege information is sent to stores. A privilege transaction is reserved if the customer's **visiting time** falls within the **time zone** based on unit transactions reservation information.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

A. Transaction reservation reception system;
B. Transaction reservation reception device;
C. Transaction reservation reception computer program disk

USE - For sales promotion in stores.
ADVANTAGE - Enables rapid information transaction on reservation privilege such as discount service to many customers, by exhibiting the commercial conditions on a network.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of transactions reservation reception system. (Drawing includes non-English language text).

Title Terms /Index Terms/Additional Words: TRANSACTION; RESERVE; RECEPTION; METHOD; STORAGE; CUSTOMER; VISIT; TIME; FALL; ZONE; DETERMINE

Class Codes

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"
G07G-001/12			Secondary		"Version 7

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05A

5/5/2 (Item 1 from file: 348) **Links**
EUROPEAN PATENTS
01420691
Market research system, merchandise information evaluation system and e-commerce system provided therewith
Marktforschungssystem, Wareninformationsauswertungssystem und damit ausgestattetes elektronisches Geschaftssystem
Systeme d'etude de marche, systeme d'evaluation des informations sur les marchandises et systeme de commerce electronique muni de ces systemes

Patent Assignee:

- **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.;** (216883)
  1006, Oaza-Kadoma; Kadoma-shi, Osaka 571-8501; (JP)
  (Applicant designated States: all)

Inventor:

- **Kindo, Toshiki**
  8-14, Moegino, Aoba-ku; Yokohama-shi, Kanagawa 227-0044; (JP)

- **Shida, Takehiko**
  3251, Maioka-cho, Totsuka-ku; Yokohama-shi, Kanagawa 244-0813; (JP)

- **Yoshida, Hideyuki**
  1-1-17-304, Unomori; Sagamihara-shi, Kanagawa 228-0801; (JP)

Legal Representative:

- **Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)**
  Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	

Patent	EP	1199658	A2	20020424	(Basic)
	EP	1199658	A3	20020814	
Application	EP	2001123601		20011001	
Priorities	JP	2000302712		20001002	

Designated States:
DE; FR; GB;

Extended Designated States:
AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G06F-017/60 Abstract EP 1199658 A2

Search signal generating section 317 generates a search signal using a keyword contained in merchandise information on merchandise subject to market research requested from a seller. Search signal distribution section 318 distributes the search signal to consumer terminal 103 provided with a personal profile with which various keywords contained in the merchandise information and evaluation values corresponding to the keywords are registered, where the evaluation values are learned in advance based on a preference of a consumer. Reply signal processing section 319 receives from consumer terminal 103 a reply signal obtained from an evaluation value in the personal profile corresponding to the keyword contained in the search signal.

Abstract Word Count: 109
NOTE: 4
NOTE: Figure number on first page: 4

Type	Pub. Date	Kind	Text
Application:	20020424	A2	Published application without search report
Search Report:	20020814	A3	Separate publication of the search report
Examination:	20021030	A2	Date of request for examination: 20020827
Change:	20061206	A2	Title of invention (German) changed: 20061206
Change:	20061206	A2	Title of invention (English) changed: 20061206
Change:	20061206	A2	Title of invention (French) changed: 20061206

Publication: English
Procedural: English
Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200217	2445
SPEC A	(English)	200217	8915
Total Word Count (Document A) 11360			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 11360			

5/5/3 (Item 2 from file: 348) **Links**
EUROPEAN PATENTS

01259422
Visiting plan generation method and system
Verfahren und System zum Erstellen von Planen fur das Aufsuchen von Platzen
Methode et systeme pour la creation de plans de visites

Patent Assignee:

- **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.;** (1855501)
  1006, Oaza Kadoma; Kadoma-shi, Osaka; (JP)
  (Applicant designated States: all)

Inventor:

- **Hirahara, Makoto**
  3000-29, Kamitsuruma, Sagamihara-shi; Kanagawa-ken; (JP)

- **Shida, Takehiko**
  3251, Maioka-cho, Totsuka-ku; Yokohama-shi, Kanagawa-ken; (JP)

- **Kindo, Toshiki**
  8-14, Moegino, Aoba-ku; Yokohama-shi, Kanagawa-ken; (JP)

- **Maenishi, Yasuhiro**
  8-20-40, Kokubo, Kofu-shi; Yamanashi-ken; (JP)

Legal Representative:

- **Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)**
  Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1087311	A2	20010328	(Basic)
	EP	1087311	A3	20040121	
Application	EP	2000120684		20000921	
Priorities	JP	99271441		19990924	

Designated States:
DE; GB; SE;

Extended Designated States:
AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G06F-017/60Abstract EP 1087311 A2

A visiting plan generation method and system for promptly carrying out optimum formation of groups, optimum destination assignment to the groups, and optimum planning for each of the groups in an optimization problem of an action plan. In implementation, at least information on plural groups which are to take visiting actions, information on members of each of the plural groups, and information on destinations are received by input means, and optimum formation of the plural groups and optimum destination assignment to each of the plural groups are performed by cost calculation means which provides a cost function for evaluating a visiting plan. Thus, in preparation of a

visiting plan for a plurality of groups to visit a plurality of destinations on a task-sharing basis, it is possible to carry out optimum formation of the plural groups, optimum destination assignment to the plural groups, and optimum planning for each of the plural groups.

Abstract Word Count: 153
NOTE: 1
NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
Application:	20010328	A2	Published application without search report
Search Report:	20040121	A3	Separate publication of the search report
Examination:	20040818	A2	Date of request for examination: 20040618
Examination:	20040818	A2	Date of request for examination: 20040618
Examination:	20041110	A2	Date of dispatch of the first examination report: 20040928

Publication: English
Procedural: English
Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200113	1732
SPEC A	(English)	200113	6461
Total Word Count (Document A) 8193			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 8193			

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S2       96939    S (RESERVED OR RESERVATION? ? OR LIMIT?? OR VISITING OR BOOK OR BOOKED OR
BOOKING OR SCHEDULE? ? OR SCHEDULING OR SET()UP OR ZONE OR SET OR PERIOD? ? OR SPAN? ?)
(3N)(TIME OR HOURS) OR RATE(1W)RESERVATION
S3           1    S S1 AND S2
S4          37    S RATE(1W)RESERVATION OR NUMBER()RESERVATIONS()MADE OR
TARGET()NUMBER()PERSONS OR PROSPECTIVE()NUMBER()PERSONS OR
(RESERVATION()RATE)(3N)(CALCULATED)
S5           0    S S1 AND S4
S6       27946    S DISCOUNT
S7           0    S S1 AND S6
```

08873335 **INSPEC Abstract Number:** A2004-07-8230-012
Title: Tunneling chemical reactions in solid parahydrogen: direct measurement of the rate constants of R+H/sub 2/ to RH+H (R=CD/sub 3/,CD/sub 2/H,CDH/sub 2/,CH/sub 3/) at 5 K
Author Hoshina, H.; Fushitani, M.; Momose, T.; **Shida, T.**
Author Affiliation: Graduate Sch. of Sci., Kyoto Univ., Japan
Journal: Journal of Chemical Physics   vol.120, no.8 p. 3706-15
Publisher: AIP ,
Publication Date: 22 Feb. 2004 **Country of Publication:** USA
CODEN: JCPSA6 **ISSN:** 0021-9606
SICI: 0021-9606(20040222)120:8L.3706:TCRS;1-D
   Material Identity Number: J008-2004-007
U.S. Copyright Clearance Center Code: 0021-9606/2004/120(8)/3706/10/$22.00
Document Number: S0021-9606(04)00708-1
Language: English   **Document Type:** Journal Paper (JP)
Treatment: Experimental (X)
Abstract: Tunneling chemical reactions between deuterated methyl radicals and the hydrogen molecule in a parahydrogen crystal have been studied by Fourier transform infrared spectroscopy. The tunneling rates of the reactions R+H/sub 2/ to RH+H (R=CD/sub 3/,CD/sub 2/H,CDH/sub 2/) in the vibrational ground state were determined directly from the temporal change in the intensity of the rovibrational absorption bands of the reactants and products in each reaction in solid parahydrogen observed at 5 K. The tunneling rate of each reaction was found to differ definitely depending upon the degree of deuteration in the methyl radicals. The tunneling rates were determined to be $3.3*10^{-6}$ s^{-1}, $2.0*10^{-6}$ s^{-1}, and $1.0*10^{-6}$ s^{-1} for the systems of CD/sub 3/, CD/sub 2/H, and CDH/sub 2/, respectively. Conversely, the tunneling reaction between a CH/sub 3/ radical and the hydrogen molecule did not proceed within a week's **time**. The upper **limit** of the tunneling rate of the reaction of the CH/sub 3/ radical was estimated to be $8*10^{-8}$ s^{-1}. (37 Refs)
 Subfile: A
Descriptors: Fourier transform spectra; free radical reactions; free radicals; hydrogen neutral molecules; infrared spectra; isotope effects; molecule-molecule reactions; organic compounds; reaction rate constants; rotational-vibrational states; spectral line intensity; spectrochemical analysis; tunnelling spectra; vibrational states
Identifiers: tunneling chemical reactions; solid parahydrogen crystal; rate constants; deuterated methyl radical+H/sub 2/; methyl radical+H/sub 2/; Fourier transform infrared spectroscopy; reaction tunneling rates; vibrational ground state; rovibrational absorption bands; 5 K; H/sub 2/
Class Codes: A8230C (Atom and radical reactions (with themselves or with molecules)); A8220P (Measurements of chemical rate constants, reaction cross sections, and activation energies); A3320E (Infrared molecular spectra); A3520P (Molecular rotation, vibration, and vibration-rotation constants); A3370F (Molecular lifetimes, absolute and relative line and band intensities); A8280D (Electromagnetic radiation spectrometry (chemical analysis)); A8220T (Kinetic and isotope effects in chemical reactions)
Chemical Indexing:
H2 el - H el (Elements - 1)
Numerical Indexing: temperature 5.0E+00 K

[File 15] **ABI/Inform(R)** 1971-2007/Jun 27
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 16] **Gale Group PROMT(R)** 1990-2007/Jun 25
(c) 2007 The Gale Group. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Jun 25
(c)2007 The Gale Group. All rights reserved.

[File 160] **Gale Group PROMT(R)** 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jun 25
(c) 2007 The Gale Group. All rights reserved.

[File 621] **Gale Group New Prod.Annou.(R)** 1985-2007/Jun 25
(c) 2007 The Gale Group. All rights reserved.


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Set      Items    Description
S1           0    S AU=(SHIDA, T? OR SHIDA T? OR SHIDA(1N)(T OR TOMOHITO))
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[File 20] **Dialog Global Reporter** 1997-2007/Jun 27

[File 476] **Financial Times Fulltext** 1982-2007/Jun 27

[File 610] **Business Wire** 1999-2007/Jun 27
File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.

[File 613] **PR Newswire** 1999-2007/Jun 23
File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.

[File 624] **McGraw-Hill Publications** 1985-2007/Jun 06
File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more

[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Jun 25

[File 634] **San Jose Mercury** Jun 1985-2007/Jun 24

[File 810] **Business Wire** 1986-1999/Feb 28

[File 813] **PR Newswire** 1987-1999/Apr 30

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[File 570] **Gale Group MARS(R)** 1984-2007/Jun 22

[File 635] **Business Dateline(R)** 1985-2007/Jun 27

[File 387] **The Denver Post** 1994-2007/Jun 26

[File 471] **New York Times Fulltext** 1980-2007/Jun 30

[File 492] **Arizona Repub/Phoenix Gaz** 19862002/Jan 06
File 492: This file is no longer updating.

[File 494] **St LouisPost-Dispatch** 1988-2007/Jun 24

[File 631] **Boston Globe** 1980-2007/Jun 27

[File 633] **Phil.Inquirer** 1983-2007/Jun 26

[File 638] **Newsday/New York Newsday** 1987-2007/Jun 27

[File 640] **San Francisco Chronicle** 1988-2007/Jun 27

[File 641] **Rocky Mountain News** Jun 1989-2007/Jun 27

[File 702] **Miami Herald** 1983-2007/Jun 21

[File 703] **USA Today** 1989-2007/Jun 26

[File 704] **(Portland)The Oregonian** 1989-2007/Jun 24

[File 713] **Atlanta J/Const.** 1989-2007/Jun 24

[File 714] **(Baltimore) The Sun** 1990-2007/Jun 27

[File 715] **Christian Sci.Mon.** 1989-2007/Jun 26

[File 725] **(Cleveland)Plain Dealer** Aug 1991-2007/Jun 26

[File 735] **St. Petersburg Times** 1989- 2007/Jun 26

[File 476] **Financial Times Fulltext** 1982-2007/Jun 27

[File 477] **Irish Times** 1999-2007/Jun 27

[File 710] **Times/Sun.Times(London)** Jun 1988-2007/Jun 27

[File 711] **Independent(London)** Sep 1988-2006/Dec 12
File 711: Use File 757 for full current day's news of the Independent, as as well as full coverage of many additional European news sources.

[File 756] **Daily/Sunday Telegraph** 2000-2007/Jun 27

[File 757] **Mirror Publications/Independent Newspapers** 2000-2007/Jun 27

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DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2      199309   S IC=(G06F-017/60 OR G07G-001/12)
S3         446   S S1 AND S2
S4          26   S S3 NOT PY>2000
S5          26   IDPAT (sorted in duplicate/non-duplicate order)
S6          24   IDPAT (primary/non-duplicate records only)
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0009359398 *Drawing available*
WPI Acc no: 1999-292900/199925
Related WPI Acc No: 1999-250101; 1999-272116; 1999-272117; 1999-292575; 1999-292849; 1999-292850;
1999-320274; 1999-343184
XRPX Acc No: N1999-219482
Computer-based reservation system for store - uses reservation response controller to send completion or disapproval data of reservation to reservation demand apparatus via communication system based on decided execution state of reservation recognition
Patent Assignee: OMRON KK (OMRO)
Inventor: KISHIOOJI Y; KUNO A; TAZAKI H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 11096244	A	19990409	JP 1993266573	A	19931025	199925	B
			JP 1998188281	A	19931025		

Priority Applications (no., kind, date): JP 1998188281 A 19931025; JP 1993266573 A 19931025

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 11096244	A	JA	21	26	Division of application	JP 1993266573

Alerting Abstract JP A
NOVELTY - A reservation response controller returns the reservation completion data to a reservation demand apparatus via a communication system when a decision circuit **determines** that the **reservation** recognition can be performed, otherwise, the reservation disapproval data are returned. DETAILED DESCRIPTION - An input device performs the input of the reservation demand data containing the name of a subscriber. A warning device alerts the reservation completion data or the reservation disapproval data sent from the reservation recognition decision circuit. The information containing the actual number of visitors present in a store is acquired via the communication system and stored in a number memory. A demand data memory stores the reservation demand data in which the reservation is completed. The decision circuit **determines** whether the **reservation** recognition can be performed based on the acquired current number of visitors in the store.
USE - Applicable in a store.
ADVANTAGE - Enables reservation in a store through communication system, thereby making presence of customer in store unnecessary. DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of a reservation system in a reservation mode.

Title Terms /Index Terms/Additional Words: COMPUTER; BASED; RESERVE; SYSTEM; STORAGE; RESPOND; CONTROL; SEND; COMPLETE; DATA; DEMAND; APPARATUS; COMMUNICATE; DECIDE; EXECUTE; STATE; RECOGNISE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"
G06F-013/00			Secondary		"Version 7

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H07C5; T01-J05A2

6/5/14 (Item 14 from file: 350) **Links**
Derwent WPIX

0009339611 *Drawing available*
WPI Acc no: 1999-272116/199923
Related WPI Acc No: 1999-250101; 1999-272117; 1999-292575; 1999-292849; 1999-292850; 1999-292900; 1999-320274; 1999-343184
XRPX Acc No: N1999-203681
Reservation system used on e.g. sight-seeing guide apparatus - has reservation response control unit that returns completion data of reservation to reservation demand unit, and disapproved reservation data if reservation request cannot be performed and recognized
Patent Assignee: OMRON KK (OMRO)
Inventor: KISHIOOJI Y; KUNO A; TAZAKI H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 11085867	A	19990330	JP 1993266573	A	19931025	199923	B
			JP 1998170291	A	19931025		

Priority Applications (no., kind, date): JP 1998170291 A 19931025; JP 1993266573 A 19931025

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 11085867	A	JA	21	26	Division of application	JP 1993266573

Alerting Abstract JP A
NOVELTY - A reservation response control unit returns the completion data of a reservation to a reservation demand unit through a communication system. Disapproved reservation data are also sent to the reservation demand unit through the communication system if a reservation request cannot be performed and recognized. DETAILED DESCRIPTION - A **reservation** recognition decision unit **determines** if the received **reservation** demand data can be recognized and performed based on the acquired current number of visitors. When the reservation can be

performed, the completion data is sent to the reservation demand unit. Otherwise, the disapproved reservation data are sent to the reservation demand unit.
USE - Used on e.g. sight-seeing guide apparatus which displays famous places on screen.
ADVANTAGE - Has simple reservation demand recognition and reservation processing and informs operator if a reservation request is approved or not. Informs operator about reservation condition for easy comprehension.
DESCRIPTION OF DRAWING(S) - The figure shows the entire flowchart of an inquiry system.

Title Terms /Index Terms/Additional Words: RESERVE; SYSTEM; SIGHT; GUIDE; APPARATUS; RESPOND; CONTROL; UNIT; RETURN; COMPLETE; DATA; DEMAND; REQUEST; PERFORMANCE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"
G06F-013/00; G06F-003/00			Secondary		"Version 7

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-C; T01-H07C5; T01-J05A

6/5/15 (Item 15 from file: 350) **Links**
Derwent WPIX
(c) 2007 The Thomson Corporation. All rights reserved.

0008546490 *Drawing available*
WPI Acc no: 1998-079782/199808
XRPX Acc No: N1998-063823
Hotel reservation receptionist system - has number of reservation calculators which outputs command for closing reservation
Patent Assignee: TOSHIBA KK (TOKE)
Inventor: MURAKAMI H; YOSHIDA K

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9081626	A	19970328	JP 1995232738	A	19950911	199808	B

Priority Applications (no., kind, date): JP 1995232738 A 19950911

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 9081626	A	JA	8	4	

Alerting Abstract JP A

The system has a memory which stores each customer's frequency of reservation and actual frequency of stay. An input unit inputs the information about the customer. A calculator calculates the ratio of the actual frequency of stay and the frequency of reservation as dignity value.

When the dignity value is greater than a predetermined lower limit value, reservation is done. A number of **reservation calculator** outputs a command to close the reservation.

ADVANTAGE - Enables automatic management of reservation receptionist.

Title Terms /Index Terms/Additional Words: HOTEL; RESERVE; SYSTEM; NUMBER; CALCULATE; OUTPUT; COMMAND; CLOSE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60	.		Main		"Version 7"

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05A

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; d s
Set       Items     Description
S1         1180     S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2        22022     S RESERVATION? ?
S3         1336     S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4        18750     S (TARGET OR GOAL OR OBJECTIVE OR DESIRED)() (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5         8071     S (PROSPECTIVE OR EXPECTED OR HOPED()FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) () (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ?
OR TOTAL? ? OR WALK()INS)
S6         6278     S DISCOUNT???
S7       864943     S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8          804     S DAY? ?()WEEK? ?
S9       320499     S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10          61     S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11         172     S S1 AND S3
S12           5     S S11 AND S4
S13           5     IDPAT (sorted in duplicate/non-duplicate order)
S14           5     IDPAT (primary/non-duplicate records only)
S15           0     S S14 NOT PY>2000
S16          52     S S2 AND S10
S17           2     S S16 AND S6
S18          17     S S1 AND S7
S19           1     S S18 AND S8
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Derwent WPIX

0011115447 *Drawing available*
WPI Acc no: 2002-051614/200207
XRPX Acc No: N2002-038129
Transactions reservation reception method used in stores, involves reserving privilege transaction to customer if visiting time of customer falls within time zone determined by stores
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: SHIDA T

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001265987	A	20010928	JP 200074889	A	20000316	200207	B

Priority Applications (no., kind, date): JP 200074889 A 20000316

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2001265987	A	JA	12	12	

Alerting Abstract JP A
NOVELTY - **Time based transactions** privilege information of a store is provided to several customers through a network. **Transaction reservation** information selected by the customer from the transaction privilege information is sent to stores. A privilege transaction is reserved if the customer's visiting time falls within the time zone based on unit transactions **reservation** information.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

A. **Transaction reservation** reception system;
B. **Transaction reservation** reception device;
C. **Transaction reservation reception computer** program disk

USE - For sales promotion in stores.
ADVANTAGE - Enables rapid information transaction on **reservation** privilege such as **discount** service to many customers, by **exhibiting** the commercial conditions **on** a network.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of transactions **reservation** reception system. (Drawing includes non-English language text).

Title Terms /Index Terms/Additional Words: TRANSACTION; RESERVE; RECEPTION; METHOD; STORAGE; CUSTOMER; VISIT; TIME; FALL; ZONE; DETERMINE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"
G07G-001/12			Secondary		"Version 7

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05A

17/5/2 (Item 1 from file: 347) **Links**
JAPIO

07038353 **Image available**
METHOD, SYSTEM AND DEVICE FOR RECEIVING TRANSACTION RESERVATION AND RECORDING MEDIUM

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **transaction reservation** receiving method, its system, its device and a recording medium, by which multiple users are rapidly announced that a **discount** service such as a time service is being performed and also the **reservation** is received.

SOLUTION: The **transaction reservation** receiving device 2 releases service information such as the **discount** service onto a network 3. The users refer to the service information by using pieces of terminal equipment 1, 1... and apply to **reservation** for a desired kind of service information. The device 2 updates the contents of the **discount** service based on the situation of the **reservation** received from the pieces of equipment 1, 1....

19/5/1 (Item 1 from file: 350) <u>Links</u>
Derwent WPIX

0009728077 *Drawing available*
WPI Acc no: 2000-012897/200001
XRPX Acc No: N2000-010009
Admission tickets issuing system used in theme park and large amusement
Patent Assignee: OMRON CORP (OMRO)
Inventor: MAEDA T; TASAKA Y; YOSHIKAWA T

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5987420	A	19991116	US 199821948	A	19980211	200001	B

Priority Applications (no., kind, date): US 199821948 A 19980211

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5987420	A	EN	11	5	

Alerting Abstract US A
NOVELTY - A reservation media issuing device (1) issues reservation ticket containing regeneration data. A central processing unit (2) having an interference processing unit (21) performs interference to determine the maximum number of tickets issued. An entrance gate device (3) reads the regeneration data and execute processing to admit the ticket holder.
DESCRIPTION - The regeneration data represents the specific reserved time and data. The interference is performed by a fuzzy logic interference. The fuzzy logic interfer- ence is performed based on fuzzy rules using as fuzzy variables, types of attraction, **weather,** time of day, day of the week and season of the year in order to determine the number of canceling anticipated and to determine maximum number of tickets issued. The central processing unit (2) also includes cancellation proc- essing unit (25) for canceling the reserved ticket. The cancella- tion processing unit also determines the maximum number of re- served admission tickets based on a waiting list. An INDEPENDENT CLAIM is also included for method for controlling admission to a certain location through the reservation system.
USE - In theme park and large amusement parks.
ADVANTAGE - As the central processing unit with the help of course check unit prevents an individual from acquiring a large number of reservations for a single side at the same time using the same entrance pass or membership card, the fixing of maximum number of tickets which may be issued is prevented. Since the user of fuzzy interference results in the number of tickets actually issued closely approximating the number of users who show up at the side, the wastage is reduced. The reservation for the sides helps the first-time customer who are unfamiliar with the layout of the park. The efficiency of the system is improved as the canceling are disposed using a separately processed wait- ing list and resulting tickets are issued to those waiting at the gate of cancellation.
DESCRIPTION OF DRAWINGS - The figure shows the block dia- gram of the central processing device.

1 Reservation media issuing device
2 Central processing unit
3 Entrance gate device
21 Interference processing unit
25 Processing unit

Title Terms /Index Terms/Additional Words: ADMISSION; TICKET; ISSUE; SYSTEM; THEME; PARK; AMUSE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/30			Main		"Version 7"

US Classification, Issued: 705005000, 705006000, 706926000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B

```
; d s
Set      Items    Description
S1        1103     S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2       12488     S RESERVATION? ?
S3        1128     S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4       57313     S (TARGET OR GOAL OR OBJECTIVE OR DESIRED)() (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5       17043     S (PROSPECTIVE OR EXPECTED OR HOPED()FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) () (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ?
OR TOTAL? ? OR WALK()INS)
S6       10224     S DISCOUNT???
S7      516747     S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8        3926     S DAY? ?()WEEK? ?
S9      278224     S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10         27     S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11      28945     S IC=(G06F-017/60 OR G07G-001/12)
S12         12     S S1 (S) S7
S13          3     S S12 AND S8
S14          3     IDPAT (sorted in duplicate/non-duplicate order)
S15          3     IDPAT (primary/non-duplicate records only)
S16         20     S S2 (S) S10
S17          3     S S16 (S) S6
S18          1     S S17 NOT S15
S19       1124     S S2 (S) S3
S20         13     S S3 (S) S4
S21          5     S S20 AND S5
S22          3     S S21 NOT (S18 OR S15 OR S12)
S23        111     S S1 (S) S3
S24          4     S S23 (S) S4
S25          2     S S24 NOT (S18 OR S15 OR S12 OR S22)
S26          3     S S10 (S) S1
S27         .1     S S26 NOT (S18 OR S15 OR S12 OR S22 OR S25)
S28         69     S S2 (5N) S7
S29        .65     S S28 NOT (S18 OR S15 OR S12 OR S22 OR S25 OR S27)
S30         65     IDPAT (sorted in duplicate/non-duplicate order)
S31         64     IDPAT (primary/non-duplicate records only)
S32          5     S S31 NOT PY>2000
```

PCT FULLTEXT
00929403
RESERVATION SYSTEM AND METHODS FOR THEME PARKS
SYSTEME ET PROCEDES DE RESERVATION POUR PARCS D'ATTRACTIONS

Patent Applicant/Patent Assignee:

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  (For all designated states except: US)
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  (Designated only for: US)
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  (Designated only for: US)
- **WOODBURY Mark A**; 1000 Universal Studios Plaza, Orlando, FL 32819
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  (Designated only for: US)
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  (Designated only for: US)

Patent Applicant/Inventor:

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Legal Representative:

- **OHRINER Kenneth H(agent)**

Lyon & Lyon LLLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071-2066; US;

	Country	Number	Kind	Date
Patent	WO	200263436	A2-A3	20020815
Application	WO	2002US3870		20020206
Priorities	US	2001267126		20010207

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/60	Main

Publication Language: English
Filing Language: English
Fulltext word count: 14565

English Abstract:

Disclosed a system for managing admission into parks and attractions (25), a guest requests reservations via a kiosk unit (10) or purchase advanced ticket attraction packages via the internet (13) or through the phone. Once the reservations or purchase has been made, the confirmed reservation is printed onto a confirmation ticket (32) or guest card (30) and the data is uploaded into the system. The guest can then take their confirmation ticket (32) or guest card (30) at the appointed time and gain entry into the attraction through a barrier controlled by the controller unit (12). The controller unit (12) reads or scans the guest card and allows guests with advance reservations to gain entry without waiting in long lines. Alternatively, admission to the park is permitted only with advance reservations. As part of the advance reservation, each guests is assigned to menu group, with each menu group provided with assigned times for each attraction in the park.

French Abstract:

Dans un systeme de gestion des entrees dans des parcs d'attractions, un client effectue une reservation par l'intermediaire d'une unite kiosque ou achete des forfaits a l'avance sur le Web/Internet ou par telephone. Apres realisation d'une reservation ou d'un achat de ce type, la confirmation de la reservation est imprimee sur un billet de confirmation ou sur une carte client, les donnees correspondantes etant telechargees vers l'amont dans le systeme. Le client peut alors retirer son billet de confirmation ou sa carte client a une heure fixee et entrer dans le parc d'attractions en traversant une barriere controlee par une unite de controle. Cette unite de controle lit ou balaie la carte client et permet aux clients munis de pre-reservations d'entrer sans devoir passer par les longues files d'attente.

Dans un autre systeme d'exploitation, l'acces au parc n'est autorise qu'avec des pre-reservations. Lors d'une pre-reservation, chaque client est affecte a un groupe de menu, chaque groupe de menu comportant les heures attribuees pour chaque attraction dans le parc. Le nombre de pre-reservations est limite de facon que la capacite du parc d'attractions ne soit pas depassee. Cela permet dans une large mesure aux client d'eviter les attentes excessives pour acceder a une attraction.`

Type	Pub. Date	Kind	Text
Publication	20020815	A2	Without international search report and to be republished upon receipt of that report.
Search Rpt	20021227		Late publication of international search report
Republication	20021227	A3	With international search report.
Examination	20030130		Request for preliminary examination prior to end of 19th month from priority date

Claims:

...park only contains attraction which are accessible by pre-sale attraction package holders with pre-**determined reservation** times for all attractions. 128. A reservation system for scheduling admission of guests into attractions... ...transmit data from guests, park employees, and other devices located within the park, store data, **compute** optimal **reservation** times, verify valid ticket holders, and control park functions. 130. A method of scheduling admission...

15/5K/1 (Item 1 from file: 349) <u>Links</u>
PCT FULLTEXT
01521473
PERSONALIZED CONTENT PROCESSING AND DELIVERY SYSTEM AND MEDIA
SYSTEME ET MOYENS DE TRAITEMENT ET D'ACHEMINEMENT DE CONTENUS PERSONNALISES

Patent Applicant/Patent Assignee:

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  (For all designated states except: US)
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  (Designated for all)

Patent Applicant/Inventor:

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Legal Representative:

- **GLYNN Kenneth P(agent)**

24 Mine Street, Flemington, NJ 08822; US;

	Country	Number	Kind	Date
Patent	WO	200764443	A2	20070607
Application	WO	2006US43040		20061103
Priorities	US	2005291384		20051201

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)
AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; GT; HN; HR; HU; ID;
IL; IN; IS; JP; KE; KG; KM; KN; KP; KR;
KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY;
MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA;
NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO;
RS; RU; SC; SD; SE; SG; SK; SL; SM; SV;
SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0017/00	A	I	F	B	20060101		H	US
G06F-0007/00	A	I	L	B	20060101		H	US

Publication Language: English
Filing Language: English
Fulltext word count: 48933

English Abstract:

A personalized content system enables a user with a communications device to convert and/or passively receive pre-selected content from multiple resources. A communications device has hardware and software to provide input and transmission to convert content from any form of media. The converted content is created by retrieving a digital copy of a digital record associated with it, and processing the digital copy for at least a web-based personalized application. Conversion is based on input of a code such as a telephone number, server program address, and a set of and/or range of characters. The transmission is communicated to at least one server that recognizes the code, the

originating telephone number associated with the communications device, the device identifier associated with the communications device, and combinations thereof. The server retrieves a digital record and processes content and outputs based on user input, a user and/or program profile, and combinations thereof.

Type	Pub. Date	Kind	Text
Publication	20070607	A2	Without international search report and to be republished upon receipt of that report.

Detailed Description:

...the controller 220 at a designated period, such as, but not limited to, time, date, **day**, **week**, month, etc.

[0110] The administration means through a controller 220 keypad and/or display may ...fee based) content topics may appear on the display, such as, but not limited to, **"Weather"**, "Sports", "Traffic", "Financial", and/or **"Reservations"** as depicted in **Figure** 9 B. After depressing the button below the "Select" term when the cursor is over the word, **"Weather"**, the following words may appear on the display below such header, **"Weather"**, "Devices", "Temperature". "Forecast", "Wind" and "Humidity", as illustrated in Figure 9 C. Additional headers, such...

15/5K/2 (Item 2 from file: 349) <u>Links</u>
PCT FULLTEXT
00963611
EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET POUR SERVICES DE LOCATION DE VEHICULES

Patent Applicant/Patent Assignee:

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  433 Schwarz Road, O'Fallon, IL 62269; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **HAFERKAMP Richard E(et al)(agent)**
  Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817; US;

	Country	Number	Kind	Date
Patent	WO	200297700	A2	20021205
Application	WO	2001US51431		20011019
Priorities	US	2000694050		20001020

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;

GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/60	Main

Publication Language: English
Filing Language: English
Fulltext word count: 237932

English Abstract:

French Abstract:

La presente invention concerne un systeme informatique de transaction entre entreprises qui dans un mode de realisation prefere est destine a fournir des services de location de vehicules pour des utilisateurs a demande elevee comportant un portail de reseau Internet grace auquel l'utilisateur a demande elevee peut acceder a une pluralite de fournisseurs de services comportant un reseau informatique d'entreprise integre pour au moins un fournisseur de services de location de vehicules. Le reseau informatique de fournisseur de services de location de vehicules est configure pour l'interconnexion d'une pluralite de succursales de diversite geographique, presentant le catalogue de leurs vehicules de location disponibles et des programmes les concernant ainsi que pour la gestion de toutes les donnees de transaction concernant son entreprise. Le portail de reseau Internet permet une connectivite et une transferabilite universelles pour une association d'entreprises a plusieurs niveaux qui placent regulierement des demandes elevees d'achat de location avec son associe commercial et egalement les autres fournisseurs de services qui peuvent ou non avoir le meme systeme et logiciel informatique d'entreprise integre. L'utilisation du procede et de l'appareil de la presente invention permet de placer, de grands volumes de transactions de location, de les controler, de les modifier en cours d'operation, et de les conclure avec des operations de comptabilite financiere et paiement pratiquement sans intervention humaine.

Type	Pub. Date	Kind	Text
Publication	20021205	A2	Without international search report and to be republished upon receipt of that report.
Declaration	20030220		Late publication under Article 17.2a
Republication	20030220	A2	With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Detailed Description:

...may be a plurality of web servers 60.

These web servers 60 may preferably be **Sun** Microsystem servers

running Apache web server software, or other such suitable
software as would be...72. Again, although the choice of hardware is not
considered critical by the inventors hereof,, **Sun** Microsystem's
server/work station hardware is preferably used to provide the
platform for running... screen appears.

See example screen on the next page.

Page I -II
to accept your **Reservation**.

You havejust created a Branch Reservation! For additional practice, open another reservation using the
follovimg...Not on File
RA= Mour .00/Day .00/Week -00/Manth Disc%
.MILEAGE .../Mile After*. ./**Day** /**Week** /Month
4. NO.Charge
-Dw .00 /Day .$136.34 Est Charges
"PAI 100 /Day
.-SLP...Page 3 - 5
Section 4 - Rate
.00 Manth Dizc.@:%
.00 /Week
'Ur
00@ /Day
After.*. /**Day** /**Week** Month
No Charge.

:DW: -4:00 .;/Day
.... :...

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FIELD
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3 4 5 6 7 8 9 to
062094 Miles Rau= **Daya Weeks** Moriths Waiver PAT ilpeHmial
0315 PM # 3 3 '3
062394 @ 16.99 7100 ...2
ACCEPT (A) or RECOUPU= (1k) Cmdl=Exit Cmd7=AAI
Mile (:E)
062394 S Hours **Days weeks** Months Waiver PAI Special
0842 AM 2 2 2
Rate I
24m95 9*00 i...or MMDDYY format and reformat-it to YYYYMMDD format,, or, to retrieve the day of **week** ,
such as required in the ARMS-toARMS Trading Partner Company Communication Sender / Receiver
(AM#**COM...record's Open Time and Close Time for each Day of the Week.

'Sat' and 'Sun' are constant values used to determine if the current day
of the week is on ...

27/5K/1 (Item 1 from file: 349) **Links**
PCT FULLTEXT

00987211
**SYSTEM AND METHOD FOR MANAGING RESERVATION REQUESTS FOR ONE OR MORE
INVENTORY ITEMS**
SYSTEME ET PROCEDE DE GESTION DE DEMANDES DE RESERVATION D'UN OU PLUSIEURS
ARTICLES EN STOCK

Patent Applicant/Patent Assignee:

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Legal Representative:

- **URIBE Mauricio A(agent)**
  Christensen O'Connor Johnson & Kindness PLLC, 1420 Fifth Avenue, Suite 2800, Seattle, WA 98101-2347;
  US;

	Country	Number	Kind	Date
Patent	WO	200317039	A2-A3	20030227
Application	WO	2002US25487		20020809
Priorities	US	2001932263		20010817

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/00	Main

Publication Language: English
Filing Language: English
Fulltext word count: 18656

English Abstract:

A system and method for managing reservation requests for one or more inventory items are provided, see figure 17. A user reservation request (1702) is obtained and processed to identify inventory data (1706) matching the reservation request. Reservation transaction (1702), reservation items (1703) and reservation inventory records (1706) are generated corresponding to the user reservation request. If the transaction can be completed, a confirmation is sent to the user and a notification is sent to a supplier.

French Abstract:

L'invention concerne un systeme et un procede de gestion de demandes de reservation d'un ou plusieurs articles en stock. Lorsqu'une demande de reservation est effectuee par un utilisateur, celle-ci est traitee de maniere a determiner si les donnees d'inventaire coincident avec la demande de reservation. Les registres de stock, les articles et la transaction de reservation sont produits en fonction de la demande de reservation de l'utilisateur. Si la transaction peut etre effectuee, une confirmation est envoyee a l'utilisateur et une notification au fournisseur.

Type	Pub. Date	Kind	Text
Publication	20030227	A2	Without international search report and to be republished upon receipt of that report.
Examination	20030717		Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20031016		Late publication of international search report
Republication	20031016	A3	With international search report.

Claims:

...SKU group record.

11 The method as recited in Claim 1, wherein processing the reservation. **transaction, reservation** items, and **reservation** inventory records includes **calculating** a consumer price for the reservation **transaction, reservation** items, and reservation inventory records.

12 The method as recited in Claim 1, wherein processing the reservation
transaction, reservation items, and **reservation** inventory records includes **calculating** a supplier cost for the reservation **transaction, reservation** items, and reservation inventor y records.. The method as recited in Claim 1, wherein processing the reservation **transaction, reservation** items, and reservation inventory re cords includes confirming a completion of a financial transaction corresponding...

```
; d s
Set      Items    Description
S1          3     S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2        139     S RESERVATION? ?
S3          1     S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4          5     S (TARGET OR GOAL OR OBJECTIVE OR DESIRED)() (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5          6     S (PROSPECTIVE OR EXPECTED OR HOPED()FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) () (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ?
OR TOTAL? ? OR WALK()INS)
S6        172     S DISCOUNT???
S7       2177     S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8          7     S DAY? ?()WEEK? ?
S9       4178     S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10         0     S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11         1     S S2 AND (S3 OR S4 OR S5)
S12         6     S S2 AND S6
S13         6     RD  (unique items)
S14         9     S S2 AND (S7 OR S8)
S15         8     S S14 NOT S13
S16         2     S S15 AND S9
```

1/5/1 **Links**
TecInfoSource
01049883   **Document Type:** Product

Product Name: iQtaxi (049883)

Qsent Inc (702455)
926 NW 13th Ave #210
Portland , OR   97209 United States
Telephone: (503) 889-7000

File Segment: Directory

Descriptors: Handhelds & Palmtops; Mobile **Computing**; **Reservation** Systems; Transportation; Travel
Revision Date: C

1/5/2 **Links**
TecInfoSource
01030791   **Document Type:** Product

Product Name: mTravel Assistant (030791)

i-tinerary Travel Solutions Inc (694096)
15575 N 79th Pl #200
Scottsdale , AZ   85260 United States
Telephone: (480) 609-9400

File Segment: Directory

Descriptors: Foreign Language Packages; Handhelds & Palmtops; Internet Travel; Mobile **Computing**; Personal
Information Management; **Reservation** Systems; Wireless Internet
Revision Date: C

1/5/3 **Links**
TecInfoSource
00140440   **Document Type:** Review

Product Names: Agile Development (846856)

Title: Duking It Out:...questions the limits of agile software development..
Author: Ambler, Scott W

File Segment: Review
Record Type: Product Analysis
Grade: Product Analysis, No Rating

The agile software development community responds to a paper by Dr. Barry Boehm in which the creator of the spiral software development lifecycle and COCOMO II **estimating** technique expresses **reservations** regarding the agile development model. In saying that agile development, such as refactoring, works better for smaller teams, Dr. Boehm overlooks the possibility of subteams for larger projects. One expert talked up the Grizzly method, which in two large projects at Motorola used three international cross- project subteams. Boehm's claim that only the best developers can succeed with agile development has also been disputed by experts, who say several skilled developers with mentoring skills could support a team of average developers. This is the case with any successful development effort, in which a few people have to have all the expertise required. Regarding Boehm's statement that agility emphasizes design for current, rather than future needs, and that AD works best when the future is unknown, dissenters agreed that AD works well when needs change to mirror changes in the environment and a dynamic understanding of the system. Among topics covered by those responding to Dr. Boehm's evaluation of agile software development are refactoring at the architecture level; feature-driven fixed-length iterations; the need to be aware of changing conditions; documentation on agile projects; and the communication advantages of Scrum projects.
Company Name: TecTerms (999999)
Special Feature: Tables
Descriptors: Groupware; Program Development; Rapid Prototyping
Revision Date: 20021030

? t s11/5/all

11/5/1 <u>Links</u>
TecInfoSource
00153015 **Document Type:** Review

Product Names: Wavelink Corp--Company News (881244); WhereNet Corp--Company News (881252); Opto 22--Company News (881261)

Title: Flying without wires: Despite lingering concerns about security...
Author: Hill, Sidney, Jr

File Segment: Review
Record Type: Company

Wavelink, WhereNet, Opto22, Nokia, and nPhase are vendors that are part of the move to deploy wireless factory

networks for manufacturers such as Ford Motor Co and BioLab. While **many** manufacturers are have **reservations** about the security and reliability of wireless factory networks, many others are eyeing productivity increases as a result of wireless technology within manufacturing and warehouse activities. Wavelink provides the wireless technology. WhereNet provides radio-frequency identification tags and wireless access points. Opto 22 provides the industrial sensors. Nokia provides the wireless networking equipment, and nPhase is the systems integrator that designs and installs the equipment and focuses on machine-to-machine applications. The combination of wireless technology and legacy applications gives such manufacturers as BioLab and Ford greater efficiency with their business processes.
Company Name: Wavelink Corp (610305); WhereNet Corp (651386); Opto 22 (527165)
Special Feature: Tables, Graphs
Descriptors: Manufacturing; Productivity; RFID; Wireless Internet
Revision Date: 20070300

? t s13/5/all

13/5/1 **Links**
TecInfoSource
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02755532   **Document Type:** Company
Hotels.com LP (755532)

10440 N Central Expwy #400
Dallas , TX   75231 United States
Telephone: (469) 335-5825
Toll Free Telephone Number: (800) 246-8357
Homepage: http://www.hotels.com
TICKER: NASDAQ : IACI

File Segment: Directory

Contact: Sales Department
Equity Type: Public
Status: Active

Hotels.com LP, a subsidiary of Hotels.com, is based in Dallas, Texas. Hotels.com is a wholly owned subsidiary of IAC/InterActiveCorp, which is listed on NASDAQ under the IACI symbol. Hotels.com LP is an online booking service that allows consumers to find **discounted** accommodations worldwide. The firm maintains information on 12,500 properties in over 400 cities in North America, the Caribbean, Europe, and Asia. The online resource allows consumers to compare prices, amenities. Hotels.com has formed partnerships with thousands of Web-based travel resources.
Sales: NA
Immediate Parent: IAC/InterActive Corp
Descriptors: Hotels; Internet Travel; **Reservation** Systems
Revision Date: 20040623

13/5/2 **Links**

TecInfoSource
02706442   **Document Type:** Company
Hotwire (706442)

333 Market St #100
San Francisco , CA   94105 United States
Telephone: (415) 343-8400
Toll Free Telephone Number: (877) 468-9473
Homepage: http://www.hotwire.com
EMAIL: hotwire@hotwire.com

File Segment: Directory

Contact: Sales Department
Status: Active

Hotwire (SM), founded in 2000 and based in San Francisco, California, is an Expedia Incorporated company that operates a **discount** travel Web site. The firm works with travel industry partners, allowing them to sell excess inventory to consumers. Accommodation listings can be searched by price, location, rating, and amenities. The names of hospitality firms are disclosed to consumers after purchases are concluded. Hotwire allows users to purchase airline tickets and vacation and cruise packages. The company's Hotwire.com Web site offers virtual tours of cruise ships. Consumers also can employ the online resource in renting cars from Avis, Budget, and Hertz. The firm has formed an alliance with cruise agency NLG. It also works with loyalty marketing company Affinion Group. Hotwire parent company Expedia is listed on NASDAQ under the EXPE symbol.
Sales: NA

Date Founded: 2000
Immediate Parent: Expedia Inc
Descriptors: Auctions; Internet Travel; **Reservation** Systems
Revision Date: 20060817

 13/5/3 **Links**
TecInfoSource
02684023   **Document Type:** Company
Orbitz LLC (684023)

200 S Wacker Dr
Chicago , IL   60606 United States
Telephone: (312) 894-5000
FAX: (312) 894-5001
Homepage: http://www.orbitz.com
EMAIL: info@orbitz.com

File Segment: Directory

Contact: Sales Department

Organization Type: LL Corporation
Status: Active

Orbitz LLC, a wholly owned subsidiary of Cendant Corporation, provides general consumers and business professionals with online **discount** travel booking services. The company was formed by American Airlines, Continental Airlines, Delta Airlines, Northwest Airlines, and United Airlines. It offers customers lodging, car rental, cruise, and other travel **reservation** services. The Orbitz Web site allows consumers to compare fares across 455 airlines, 22 car rental companies, and thousands of lodging properties. Orbitz has formed partnerships with U.S. and international airlines, including Air France, All Nippon, British Airways, Lufthansa, Qantas, and SAS. Its Web site also can be employed in booking **reservations** with Hertz, Avis, Budget, and other car rental companies. The firm has formed additional partnerships with Hotwire, StudentUniverse, and ITA Software. Hotwire services allow consumers to book specific travel itineraries. StudentUniverse provides registered college students and faculty with access to **discount** airfares. ITA Software licenses its technology to Orbitz, allowing the firm to provide customers with airfare pricing and travel planning tools. Orbitz customer service professionals monitor travel conditions in real time, referencing FAA, National Weather Service, and other information. The company forwards automated travel alerts and flight updates to consumers' cellular phones, pagers, PDAs, or e-mail boxes. Orbitz is part of the Cendant Travel Distribution Services division.
Sales: NA
Immediate Parent: Cendant Corporation
Descriptors: Internet Travel
Revision Date: 20060126

13/5/4 **Links**
TecInfoSource
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02313939   **Document Type:** Company
Thoroughbred Software International Inc (313939)

285 Davidson Ave #302
Somerset , NJ   08875 United States
Telephone: (732) 560-1377
Toll Free Telephone Number: (800) 524-0430
FAX: (732) 560-1594
Homepage: http://www.tbred.com
EMAIL: info@tbred.com

File Segment: Directory

Contact: Sales Department

Organization Type: Corporation
Equity Type: Private
Status: Active

Thoroughbred (R) Software International Incorporated, founded in 1982, provides programmers with object-oriented software development, application integration, accounting, database connectivity, disaster recovery, and Internet processing tools. The firm's products operate across the UNIX, Linux, OpenVMS, and Microsoft (R) Windows (R) platforms. The company is known for its TS WebServer and T-WEB (TM) products, which support the deployment of e-commerce and online application services. TS WebServer includes Thoroughbred Software International's OPENworkshop (R) development environment. TS WebServer can be used to design new applications. It also integrates with other Thoroughbred Software International applications. T-WEB is a browser-based development system. Thoroughbred Software International's DataSafeGuard (TM) program provides users with real-time data recovery features. It includes transaction recording and data replication features. The Solution-IV Accounting software suite supports the sharing of accounting information. Solution-IV Accounting includes multi-company accounting, file search, context-sensitive help, and other features. It provides users with accounts payable and receivable, general ledger, order processing, bank reconciliation, payroll, prospect management, and reporting modules. Solution-IV Reprographics extends Solution-IV Accounting with pricing, **discounting**, delivery tracking, and large format printing features. Thoroughbred Software International's AEK Recreation applications provide sports organizations with membership management, activity scheduling, and **reservations** tools.
Number of Employees: 100
Sales: NA

Date Founded: 1982
Descriptors: Accounting; Operating Systems; Programming Languages
Revision Date: 20070515

13/5/5 **Links**
TecInfoSource
00161667   **Document Type:** Review

Product Names: AJAX (815675); XML (837709)

Title: AJAX CHANGES EVERYTHING, BELIEVE IT
Author: Swoyer, Stephen
Source: Application Development Trends ,   v13 n3   p27(4) May 2006
ISSN: 1073-9564
Homepage: http://www.adtmag.com

File Segment: Review
Record Type: Product Analysis

Next generation Web application development began to evolve quickly when Adaptive Path consultant Jesse James Garrett used AJAX (Asynchronous JavaScript And XML) to describe a model for building rich client applications using JavaScript and XMLHttpRequest. However, says one freelance coder, he does work for several companies that use eXtensible Markup Language (XML) over Hypertext Transport Protocol (HTTP) and has been using the combination since 1999 for one of his clients. Although AJAX is not new, it did become a jbuzzword and all but abrogated developer mindsharek within the space of one year. AJAX is disruptive and stimulates the imagination of developers, including Curt Hibbs, senior software engineer with a global aerospace company. He says he has

adopted the AJAX vision and that use of AJAX techniques has added vigor to existing Web applications and extended the span of applications that can be considered for Web deployment. AJAX was also just what Alliance **Reservations** Network needed, allowing the company to give consumers the ability to narrow searches dynamically by displaying results as they type in searches for **discount** hotel **reservations**. Among others commenting on the advantages of AJAX are spokespeople for 3Genius and myKb.com, and a senior software developer for a midwestern software development company who uses Castle Project's Monorail.

Company Name: TecTerms (999999)
Special Feature: Charts
Descriptors: AJAX; Program Development; Web-based Applications
Revision Date: 20070300

13/5/6 <u>Links</u>
TecInfoSource

00159965   **Document Type:** Review

Product Names: Hotwire.com (259793); Priceline.com (259806)

Title: Cruising the Web for Rental Cars
Author: Lieber, Ron
Source: Wall Street Journal ,   v247 n100   pB1(1) Apr 29, 2006
ISSN: 0193-2241
Homepage: http://www.wsj.com

File Segment: Review
Record Type: Product Analysis

As rates climb for booking rental cars, the best way to get a good deal is to reserve a car online. Several Web sites allow users to search multiple sites and travel service providers at one time. These include Kayak and Mobissimo. But the best automobile rental deals are most likely to be found on Hotwire and Priceline. At Hotwire, users input where and when they want to rent a car and the size of car they want. Hotwire only offers airport rentals, however. After receiving this information, the site offers a price, and if users want that price, they can then book the car. At Priceline, a site that offers airport rentals and some neighborhood rentals, the same information is provided by users, but with the addition of actual prices. Essentially, Priceline visitors bid for their vehicles, and the site either accepts or rejects the bid. Neither one of these Web sites informs the user as to which rental agency will supply the car until the booking is completed and paid for, however. Both of the sites use rental agencies like Hertz, Avis, and Budget. To maximize a **discount** , users must first register with the site, then check all the prices that are publicly available. They should then go to Hotwire and check if there is a lower price there. If a lower price exists at Hotwire, users can take that price to Priceline and bid a little lower. While Priceline says it has the lowest price, Hotwire disputes this, noting that Priceline may charge higher fees.

Company Name: Hotwire (706442); Priceline.com Inc (650111)
Descriptors: E-Commerce; Personal Finance; **Reservation** Systems; Travel
Revision Date: 20070300

?   t s16/5/all

16/5/1 **Links**
TecInfoSource
02637904   **Document Type:** Company
OneTravel.com Inc (637904)

801 N Grant
Odessa , TX   79761 United States
Homepage: http://www.onetravel.com

File Segment: Directory

Contact: Sales Department

Organization Type: Corporation
Status: Active

OneTravel.com Incorporated, founded in 1995 and based in Odessa, Texas, operates the OneTravel.com Web site, which allows online consumers to **purchase** affordable airline tickets, confirm **reservations** at 54,000 hotels worldwide, and rent automobiles. The online resource also provides visitors with travel tips. It includes links to passport, airport delay, currency converter, **weather**, destination, and insurance information. The company's booking engines can be added to partner Web sites. OneTravel.com was founded by CEO Michael Thomas.
Sales: NA

Date Founded: 1995
Descriptors: Internet Travel; **Reservation** Systems
Revision Date: 20031130

16/5/2 **Links**
TecInfoSource
00145139   **Document Type:** Review

Product Names: Palm (099309); Palm Treo (082058); Libraries (830066)

Title: PDA Avoidance: They'll Get You Eventually!
Author: Schuyler, Michael
Source: Computers in Libraries ,   v23 n3 p32(2) Mar 2003
ISSN: 1041-7915
Homepage: http://www.infotoday.com

File Segment: Review
Record Type: Product Analysis
Grade: Product Analysis, No Rating

Palm's Palm and Handspring's Treo are highlighted in a discussion of personal digital assistants (PDAs), which are

resisted initially by information professionals, but eventually used for their convenience in using the Internet and other network systems. One user calls the PDA a 'life-altering experience,' and another says he could not live without his PDA. The PDA can send and receive e-mail, surf the Web, instant message, report **weather**, act as a GPS, find the nearest restaurant with a specific type of menu, link to an OPAC, beep to alert on the stock market, confirm **reservations**, pay tolls, e-mail digital pictures, and do banking. The PDA of the future will also call for legal help when needed and also **store** all medical information. PDAs will diagnose medical problems and confirm identity with thumbprints before turning itself on. PDAs will accept voice entry and voice commands, and will have user-customized personalities. For meetings, PDAs would be a good idea for scheduling, even though the device itself will not schedule. Available software will do scheduling, including finding open times and creating meetings there. The PDA con be considered as a compact Day-Timer-type device and were welcomed quickly by at least one library staff. However, some people liked them and others did not, partly because fonts shown on the PDA are different than those on larger computers.

Company Name: Palm Inc (771325); TecTerms (999999)
Descriptors: Handhelds & Palmtops; Hardware Selection; Libraries
Revision Date: 20031130

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  ; d s
Set       Items    Description
S1          462    S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (5N)
RESERVATION? ?
S2        21911    S RESERVATION? ?
S3          420    ·S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4         1182    S (TARGET OR GOAL OR OBJECTIVE OR DESIRED)() (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5         8400    S (PROSPECTIVE OR EXPECTED OR HOPED()FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) ·() (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ?
OR TOTAL? ? OR WALK()INS)
S6        44692    S DISCOUNT???
S7       536215    S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8          765    S DAY? ? ()WEEK? ?
S9       604045    S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10           2    S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11          22    S S1 AND S3
S12           0    ·S S11 AND (S4 OR S5 OR S6)
S13           5    S S1 AND S7
S14           5    S S1 AND (S4 OR S5 OR S6)
S15           5    S S14 NOT S13
S16         140    S S2 (3N) S9
S17           7    S S16 (S) S6
S18           7    S S17 NOT (S11 OR S13 OR S15)
```

S19   9   S S11 NOT PY>2000

10/5/2 (Item 2 from file: 2) <u>Links</u>
   Fulltext available through: <u>USPTO Full Text Retrieval Options</u>
INSPEC

04415366 **INSPEC Abstract Number:** B89050651
Title: Image transmissions in a VSAT environment
Author Ghedia, L.
Journal: Satellite Communications   vol.13, no.3   p. 59-60, 62

Language: English   **Document Type:** Journal Paper (JP)
Treatment: Practical (P)
Abstract: The author describes developments in VSAT networks, and discusses their application to image transmission. Several VSAT networks that carry video traffic are described, and the access methods, slotted aloha, **transaction reservation**, and dedicated stream, for inbound transmission are described. Both analogue and digital video transmission are discussed. (0 Refs)
 Subfile: B
Descriptors: picture processing; satellite ground stations
Identifiers: analogue video transmission; VSAT environment; image transmission; video traffic; access methods; slotted aloha; **transaction reservation**; dedicated stream; inbound transmission; digital video transmission
Class Codes: B6250G (Satellite relay systems)

13/5/2 (Item 2 from file: 2) <u>Links</u>
INSPEC
05758960 **INSPEC Abstract Number:** C9410-7210-021
Title: Information brokers: sharing knowledge in a heterogeneous distributed system
Author Barbara, D.; Clifton, C.
Author Affiliation: Matsushita Inf. Technol. Lab., Princton, NJ, USA
   p. 80-91
Editor(s): Marik, V.; Lazansky, J.; Wagner, R.R.
Publisher: Springer-Verlag , Berlin, Germany
Conference Title: Proceedings of 4th International Conference on Database and Expert Systems Applications
Conference Date: 6-8 Sept. 1993   **Conference Location:** Prague, Czechoslovakia

Language: English   **Document Type:** Conference Paper (PA)
Treatment: Practical (P)
Abstract: A large percentage of valuable electronic information is not stored in conventional database systems. Very often, applications have to deal with heterogeneous services such as electronic libraries, airline **reservation** systems or **weather** information services. **Finding** these services and information can be an overwhelming task. We describe a tool to facilitate the finding of such information. The cornerstone of the service is the idea of a broker. A

broker indexes services and objects by their describing properties. A query to a broker returns enough information to contact the service and get the object or information needed. The type and amount of information indexed by the broker depends on the information that is known and available about the service or object. We present a simple but powerful design for the broker that is flexible enough to accommodate a wide variety of information providers. We also present a complete architecture for our distributed information system. (18 Refs)

Subfile: C

Descriptors: distributed databases; indexing; information needs; information services; query processing

Identifiers: heterogeneous distributed system; electronic information; electronic libraries; airline reservation systems; **weather** information services ; information brokers; query; information need; indexing; information providers; distributed information system; WAIS

Class Codes: C7210 (Information services and centres); C6160B (Distributed DBMS); C7250 (Information storage and retrieval); C7220 (Generation, dissemination, and use of information)

13/5/3 (Item 3 from file: 2) **Links**
  Fulltext available through: <u>USPTO Full Text Retrieval Options</u>
INSPEC

04060936 **INSPEC Abstract Number:** D88000655
Title: Provide a warm welcome (hotel computer systems)
Author Rowan, M.
Journal: Micro Decision   no.75   p. 81-4

Publication Date: Jan. 1988 **Country of Publication:** UK
CODEN: MIDEDG **ISSN:** 0261-5142

Language: English   **Document Type:** Journal Paper (JP)
Treatment: Practical (P); Product Review (R)
Abstract: Technology and hospitality are often regarded as mutually exclusive concepts, but the microcomputer has its place in a hotel because it can take care of the basics. It will hold details on **reservation** dates and room availability, **calculate** all the charges accruing to a client, and produce information instantly on request. With staff freed from much of their paperwork, they will have more time to be pleasant to their guests. Before choosing a system, the hotel manager should make sure that it will be easy to use and that training will be provided. Once they are up and running smoothly, micros can enable hotel workers to get their priorities right. A buyer's guide provides a number of hospitality suites available listing the following: description; runs-on; price and the supplier. (0 Refs)
 Subfile: D
 Descriptors: buyer's guides; hotel industry
Identifiers: hotel computer systems; hospitality; microcomputer; reservation dates; room availability; training; supplier
Class Codes: D2090 (Leisure industry, travel and transport)

15/5/1 (Item 1 from file: 2) **Links**
  Fulltext available through: <u>USPTO Full Text Retrieval Options</u>
INSPEC
09155038 **INSPEC Abstract Number:** C2004-12-7120-042

Title: **Optimal reservation value setting based on random bidders**
Author An Yong; Chen Shaogang; Zhao Lixia

Author Affiliation: Sch. of Appl. Math., UEST, Chengdu, China

Language: Chinese   Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: Friedman viewed that the number of bidder in bidding submit Poisson distribution. On the above assumption, this paper studies reservation value setting and draws conclusions that reservation value has no pertinence with the **expected number** of bidders while the **expected number** of bidders affect expected revenue of the auctioneer. Meanwhile this paper gets a **formula** to **calculate reservation** value, thus brings forward a way for design of bidding mechanism, which further approaches actual conditions. (7 Refs)
 Subfile: C
Descriptors: economics; electronic commerce; game theory; Poisson distribution; statistical analysis
Identifiers: reservation value setting; random bidders; Poisson distribution; auction; **reservation** value **calculation**; bidding mechanism; expected revenue
Class Codes: C7120 (Financial computing); C0230 (Economic, social and political aspects of computing); C1140Z (Other topics in statistics)

15/5/2 (Item 2 from file: 2) **Links**
   Fulltext available through: USPTO Full Text Retrieval Options
INSPEC
04948645 **INSPEC Abstract Number: B91054419**
Title: **A model to assess the value of an intermediate R&D result**
Author Park, J.; Chong, J.K.S.

Author Affiliation: Dept. of Manage., North Dakota Univ., Grand Forks, ND, USA

Language: English   Document Type: Journal Paper (JP)
Treatment: Theoretical (T)

Abstract: A framework is offered for assessing the value of an intermediate result in an R&D project under competition. The assessed value of an intermediate result can be used as a minimum price acceptable to the inventor (reservation price) when the knowledge is disseminated to others. This issue is especially important if a firm (or society) is concerned about the distributive aspect of access to superior knowledge. The model discussed incorporates a number of structural variables, including research cost, future development cost, potential profits,

rivalry, and **discount** rate. For invention production functions with the memorylessness property (e.g. exponential functions), a closed-form **equation** for the **reservation** price is derived. How the model can be applied in a competitive R&D situation is demonstrated. (11 Refs)
Subfile: B
Descriptors: project engineering; research and development management
Identifiers: R and D; research; development; intermediate result; project; research cost ; future development cost; potential profits; rivalry; **discount** rate ; invention production functions; closed-form equation; reservation price
Class Codes: B0140 (Administration and management); B0170C (Project and design engineering)

15/5/3 (Item 1 from file: 35) <u>Links</u>
Dissertation Abs Online
02105847   ORDER NO: AADAA-I3184644
Guests' reservation behavior in two online distribution channels

Author: Morosan, Cristian Virgiliu
Degree: Ph.D.
Year: 2005
Corporate Source/Institution: Iowa State University (0097)
Major Professor: Miyoung Jeong
Source: Volume 6608A of Dissertations Abstracts International.
PAGE 3001 . 110 PAGES
Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT ; BUSINESS ADMINISTRATION, MARKETING ; INFORMATION SCIENCE
Descriptor Codes: 0454; 0338; 0723
ISBN: 0-542-26174-X

Perceived as a fast-growing business opportunity, the Internet has been adopted by many travel organizations as a new, competitive marketing tool in providing travelers not only with travel-related information but also with online transaction opportunities. Hotels have been making great effort to encourage travelers to reserve rooms directly on their Web sites while intermediaries have been positioned in a very competitive situation to encourage travelers to make reservations through their portals by offering **discounted** rates, rate comparison tools, and additional information about the property/destination. In this context, it is interesting to investigate why travelers make **reservations** online and what **determines** them to make **reservations** on hotel-owned versus intermediary Web sites. By adopting an extended technology acceptance model (TAM), this study aimed to explore travelers' room reservation behaviors on the Internet.

A sample of 1,119 respondents participated in this study and consisted predominantly of females (66.6 percent), between 19 and 21 years old (57 percent), with senior classification (35.2 percent). Respondents' comments indicated that the intermediary Web sites were excellent for rate comparison across multiple properties and very easy to use. Both hotel-owned and intermediary Web sites were perceived as not entirely secure. In general, both types of Web sites were good tools for those who wanted to find a good room rate on the Internet and make a reservation easily and effortlessly.

Overall, it was concluded that, consistent with the TAM literature, perceived usefulness, perceived ease of use, and perceived playfulness, impacted attitudes toward using reservation Web sites. Also, it was found that attitudes impacted respondents' intentions to use these sites for future reservations. Therefore, the TAM framework is valid in the hotel industry and can be used to predict travelers' online behavior. However, there were no significant

differences between hotel-owned and intermediary Web sites in their Web site features. It also appeared that travelers preferred to use intermediary Web sites because they were perceived as superior to hotel-owned Web sites in their search for the best rate online. Thus, it was found that respondents showed stronger intentions to return to intermediary rather than hotel-owned Web sites.

18/5/1 (Item 1 from file: 35) **Links**
Dissertation Abs Online

02087959   ORDER NO: AADAA-I3175261
A dynamic model of asymmetric price negotiation

Many buyer-seller interactions are characterized by *asymmetric negotiation* in which the seller makes explicit offers that the buyer either accepts or rejects. Asymmetric negotiations are prevalent in situations where the buyer is either reluctant or unable to make an explicit counteroffer. A common constraint that buyers face during negotiation is a purchase deadline, which causes the buyer's opportunity cost of delay (negotiation cost) to increase over time. In turn, an increasing negotiation cost causes the buyer's minimum **purchase** threshold (**reservation** value) to vary over time. This dissertation proposes a new model of asymmetric price negotiation that allows buyers' reservation values to change over time. The model reflects buyer decisions with respect to negotiation costs, the seller's offer rate, a **discount** rate, and time.

A dynamic structural model of asymmetric price negotiation is derived from the economic theory of search behavior that integrates findings from the behavioral literature. In particular, buyers are assumed to maximize their net present expected utility, but do so myopically over a short time horizon. Buyers evaluate a seller's *relative offer* or the difference between the seller's current offer price and a reference price. The model implies that the purchase hazard rate increases with time and negotiation cost, but decreases with offer rate and average relative offer.

Model properties are empirically tested using a competing-risks proportional hazard model derived from the structural model. The empirical model is estimated on a sample of actual negotiations over the rental of a durable product; the results confirm the properties of the structural model. The empirical model is used to explore alternative specifications of the buyer's reference price. It is shown that buyers tend to rely on the most recent offer price when evaluating the seller's offer in the sample of negotiations.

18/5/5 (Item 1 from file: 583) **Links**
Gale Group Globalbase(TM)

09478327
Northwest opens e-booking in Singapore

SINGAPORE: ECONOMY TICKET BOOKINGS VIA THE NET
Business Times (XBA)   08 Mar 2001   p.11
Language: ENGLISH

US airline Northwest has launched its first website in Singapore on 8 February 2001, to allow economy class passengers to choose their seats via the Internet. The website at www.nwa.com/sg allows 24-hour **reservation** and **purchase** of paperless e-tickets from Northwest and KLM Dutch Airlines, and boasts a map showing available seats. Northwest are offering **discounted** fares to complement its new launch, as well as WorldPerks Bonus Miles for on-line purchases. The expanding population of Singapore's on-line travellers, especially business users who make frequent trips, often at short notice, are expected to benefit from this scheme.

Company: KLM DUTCH AIRLINES; NORTHWEST

Product: Aviation Services (4500AS); Air Terminal Services (4595); Passenger Air Transport (4501); Scheduled Airlines (4510); Computers & Auxiliary Equip (3573); Communications Eqp ex Tel (3662);
Event: Product Design & Development (33); Planning & Information (22); Marketing Procedures (24);
Country: Singapore (9SIN); United States (1USA);

18/5/6 (Item 2 from file: 583) **Links**
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06521251
Citibank goes for gold in saturated card market

AUSTRALIA: NEW PARTNERSHIP & REVAMPED GOLD CARD
The Australian Financial Review (AFR)   11 Sep 1997   P.31
Language: ENGLISH

The largest foreign bank in Australia, Citibank, has entered a new affinity partnership and relaunch its Gold Card in an attempt to strengthen its market position and achieve significant growth targets over the next 5 years. It has concluded a national corporate sponsorship and affinity card deal with Rotary Australia which is likely to contribute as much as AU$ 2 mn a year. Under the agreement, for every AU$ 100 spent, AU$ 0.50 will go to Rotary trust for expenditures on projects. Citibank has added travel and entertainment hotlines to its revamped Gold card. With the hotlines, customers could make **reservations** or **purchase** theatre tickets worldwide. In addition, its Gold card member could enjoy comprehensive travel insurance and **discounts**, an agreement the bank made with Zurich Australian Insurance Group and Thomas Cook Travel. The revamped Gold card would be targeted at upmarket consumers at an interest rate of 16.95%. As it is a card for people who want value for money, photocard rewards, purchase protection and travel insurance are added.

Company: THOMAS COOK TRAVEL; ZURICH AUSTRALIAN INSURANCE; ROTARY AUSTRALIA; CITIBANK

Product: Credit Card Services (6020CC); Nonbank Credit Card Firms (6141);

Event: Product Design & Development (33);
Country: Australia (9AUS); United States (1USA);

18/5/7 (Item 3 from file: 583) <u>Links</u>
Gale Group Globalbase(TM)
01454138
TRAVEL AGENCIES TO HALVE

\DENMARK - TRAVEL AGENCIES TO HALVE
Boersen (BSN)   18 November 1987   p12
Language: Danish

According to the director of the World Tourists, there will be three to four large travel agencies in about six years time which account for 80% of the market and 10-15 smaller ones. It will be necessary to cooperate nationally through large reservations networks in order to survive, with large investment needed in hardware and software. There will be an increase in bulk buying of flight tickets, which means that travel agencies will **purchase** flight and hotel **reservations** in large quantities for a **discount** of up to 40%. This should lead to a drop in prices.

Product: Scheduled Airlines (4510); Travel Agencies (4721);
Event: MARKET & INDUSTRY NEWS (60);
Country: Denmark (4DEN); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); Scandinavian Countries (512);

19/5/3 (Item 3 from file: 2) <u>Links</u>
 Fulltext available through: <u>USPTO Full Text Retrieval Options</u>
INSPEC
02210657   **INSPEC Abstract Number:** C78016437
Title: Optimal seat allocation for flights with one intermediate stop
Author Hersh, M.; Ladany, S.P.
Author Affiliation: Ben-Gurion Univ. of Negev, Beer Sheva, Israel
Journal: Computers & Operations Research   vol.5, no.1   p. 31-7

Publication Date: 1978 **Country of Publication:** UK
CODEN: CMORAP ISSN: 0305-0548

Language: English   **Document Type:** Journal Paper (JP)
Treatment: Theoretical (T)
Abstract: Management of an airline **reservation** system presents **many** complex problems. One of these problems which has received much attention by the public in recent times has been the problem of 'overbooking', i.e. of the airline granting more seat reservations than the actual available number of seats on the aircraft. Since the airline has to contend with cancellations and 'no-shows' (unused reservations) and, at the same time, attempt to make optimal use of the available seats, some decision rules must be made regarding the allocation of **reservations**. The problem

of **finding** the optimal set of decision rules is further complicated in flights with intermediate stops since a reservation system for the various legs must be introduced. This paper describes a mathematical model which would enable the airline reservations system to devise a set of rules for allocating seats on the various legs of a flight with an intermediate stop. Such a set of rules, based upon the rate at which reservations are actually being received vs. prior expectations of demand for the flight act to grant or deny reservations so that expected contribution to profit is maximized. (4 Refs)

Subfile: C

Descriptors: aircraft; operations research

Identifiers: flights with one intermediate stop; airline reservation system; mathematical model; optimal seat allocation

Class Codes: C1290H (Transportation)

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File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more

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[File 810] **Business Wire** 1986-1999/Feb 28
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```
; d s
Set      Items    Description
S1        3906    S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2      799224    S RESERVATION? ?
S3       65792    S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4       16947    S (TARGET OR GOAL OR OBJECTIVE OR DESIRED)() (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5      120965    S (PROSPECTIVE OR EXPECTED OR HOPED()FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) () (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ?
OR TOTAL? ? OR WALK()INS)
S6     2150650    S DISCOUNT???
S7     7473684    S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8       30480    S DAY? ?()WEEK? ?
S9    19458459    S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10         34    S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11        187    S S1 (S) S3
S12          5    S S11 (S) (S4 OR S5)
S13         24    S S1 (10N) S6
S14         16    RD (unique items)
S15         16    S S14 NOT S12
S16         96    S S1 (S) S7
S17         51    S S16 (S) (CONSUMER OR CONSUMERS OR CUSTOMER OR CUSTOMERS OR CLIENT OR
CLIENTS OR SHOPPER OR SHOPPERS OR PURCHASER OR PURCHASERS OR BUYER OR BUYERS OR SUBSCRIBER
OR SUBSCRIBERS OR USER OR USERS OR PERSON? ? OR PEOPLE)
S18         34    RD (unique items)
S19         16    S S18 NOT PY>2001
S20         16    S S19 NOT (S12 OR S15)
S21         11    S S20 AND S9
S22         17    S (S1 OR S2) (S) S10
S23         11    RD (unique items)
S24         11    S S23 NOT (S12 OR S15 OR S21)
```

15/3,K/7 (Item 2 from file: 148) <u>Links</u>
Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rights reserved.
09831749   **Supplier Number:** 17868871 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Length of stay heuristics: do they really make a difference?

Weatherford, Lawrence R.
Cornell Hotel & Restaurant Administration Quarterly , v36 , n6 , p70(10)
Dec , 1995
ISSN: 0010-8804
Language: English
Record Type: Fulltext; Abstract
Word Count: 5849   **Line Count:** 00476

```
...Nonfixed
     C-PRICES                        Predetermined/Set optimally/
                                      Set jointly

      D-WILLINGNESS TO PAY           Buildup/Drawdown
     E-DISCOUNT PRICE CLASSES        1/2/3/.../I
     F-RESERVATION DEMAND            Deterministic/Mixed/
                                     Random-independent/
                                     Random-correlated
     G- SHOW-UP OF DISCOUNT          Certain/Uncertain without
     RESERVATION                      cancellation/
                                     Uncertain with cancellation
     H-SHOW-UP OF FULL-PRICE         Certain...
```

15/3,K/8 (Item 3 from file: 148) <u>Links</u>
Gale Group Trade & Industry DB
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03127905   **Supplier Number:** 04988502 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Spa-Finders introduces nationwide reservation service with year-long discounts at spas from Hawaii to New England.

PR Newswire , NYFNS8
June 18 , 1987
Language: ENGLISH
Record Type: FULLTEXT
Word Count: 335   **Line Count:** 00025
Spa-Finders introduces nationwide reservation service with year-long discounts at spas from Hawaii to New England.

```
...SPAS FROM HAWAII TO NEW ENGLAND
     NEW YORK, June 18 /PRNewswire/ -- To introduce its nationwide
```

reservations service, Spa-**Finders** is offering
discounts at 11 U.S. spas for all bookings on which the company
receives deposits by...

15/3,K/12 (Item 4 from file: 20) <u>Links</u>
Dialog Global Reporter
(c) 2007 Dialog. All rights reserved.
08463653 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**
(PR) EnSpot.com Goes Live with Over 1 Million Events

PR NEWSWIRE
November 30, 1999
Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT
Word Count: 370
(USE FORMAT 7 OR 9 FOR FULLTEXT)

...to events, buy merchandise (i.e. CDs, DVDs, Videos, Books, etc.), read
daily entertainment news, **find** local restaurants, make
reservations online and take advantage of special ticket
discounts and promotions only offered on EnSpot.com.
        According to Arnold, EnSpot.com also is an...

15/3,K/16 (Item 1 from file: 810) <u>Links</u>
Business Wire
(c) 1999 Business Wire . All rights reserved.
0588014 BW0090

TRISTAR AIRLINES : Computer correction opens thousands of TriStar Airlines seats at the lowest available fares

May 21, 1996

Byline: Business Editors & Travel Writers

...at $89
each way, the airline industry's lowest possible fare.
    All travel agent computer **reservation** systems will **find**
 huge
discount and seat availability on all TriStar Airlines' flights
(unless a flight is completely sold out...

21/3,K/1 (Item 1 from file: 15) <u>Links</u>
ABI/Inform(R)
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01218708   98-68103
Wake up to new learning technologies

Caudron, Shari
Training & Development v50n5 pp: 30-35
May 1996
ISSN: 1055-9760 **Journal Code:** STD
Word Count: 2891
Text:

...employees who travel and need knowledge resources while on the road.

With the ability to **store** large amounts of data, these CDs also are
great for employees who need convenient access...information can change by
the hour. Commercial airlines, for example, use performance systems to help
reservation agents **determine** flight times and prices to meet
customer needs. Package delivery companies use them to track
weather and delivery schedules in different cities.

But even in those few industries where information does...

21/3,K/5 (Item 4 from file: 16) **Links**
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06302948   **Supplier Number:** 54504631 **(USE FORMAT 7 FOR FULLTEXT)**

Caught in the Net.
Frances, Erin
Travel Agent , v 294 , n 11 , p 86(1)
April 19 , 1999
Language: English   **Record Type:** Fulltext
Document Type: Magazine/Journal ; Trade
Word Count: 1222

...Web specials. The travel agent section only provides information about
commissions and discount rates for **retailers**, but Marketing Manager
Traci Esch says a protected agent section is part of the firm...

...protected section for agents, but one is expected by fall. Currently the
only mention of **retailers** is found under Programs and Services,
where users can connect with travel organizations to help...

...be running by the summer. In Budget's personal identification
number-protected agent-only section, **retailers** can access Unlimited
Budget program information, check their status in the program or find out
. . .

...percent discount for Internet bookings through May 31.
    * Dollar [www.dollar.com]: Visitors to this **user**-friendly site
can scroll through and find out about the company's rates, worldwide
locations...

...newest addition to the site is a Hot Deals To Go! link under Rates and
Reservations, where **users** can **find** the latest specials
by state. Dollar is also in the process of constructing a link to
individual locations' Web sites.
    Consumers and agents can make reservations through the site, and
retailers have a special section to obtain online rates and
reservations; information on Dollar's travel...

...French, Spanish and Italian. The firm's colorful site includes a secured
agent section, where **retailers** can check, confirm or cancel
reservations. The site also provides links to its vehicle guide...rates and
reservations, partners and promotions, the Blue Chip program, hot news and
worldwide locations. **Retailers** can book through the same page as
consumers by clicking on the prompt, "Are you a travel agent?" in the
booking form. **Retailers** can then make reservations by entering their
IATA number. There is also a link to Travel Agent Info, where
retailers can access links, promotions and travel agent news.

21/3,K/6 (Item 1 from file: 148) **Links**
Gale Group Trade & Industry DB

10405318   Supplier Number: 20824995 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Housing market conditions, listing choice and MLS market share. (multiple listing service)

...Equation (5) computes the broker's commission income derived from other
brokers' buyer clients that **buy** the broker's own multiple listings
(obviously, through the information supplied by the MLS). Equation...

...is expected income earned by the broker from buyer clients whom the
broker represents that **purchase** multiple listings from other
brokers.(11) Again, the per unit commission is halved. (N.sub...type of
transaction is also influenced by the probability of a match once listings
and **buyers** have been attracted. ((Delta).sub.E) is the probability
of a match between broker j's exclusive listings and multiple listings and

broker j's **buyer clients**. ((Delta).sub.M) is the probability
of a match between broker j's multiple listings and other brokers'
buyer clients. ((Delta).sub.B) is the probability of a match
between broker j's **buyer clients** and other brokers' multiple
listings. These probabilities are likely be different and their differences
will...

...listings. Similarly, one would expect the distribution of bid prices of
a broker's own **buyer clients** to be narrower than would be the
case for the **buyer clients** of all other brokers. In a "
hot" market characterized by relatively high volume, one would
expect the intersection of the distribution of...be sold to buyers
represented by other brokers or buyer clients of the broker could
purchase exclusive listings of other brokers as a consequence of
private advertising, signs or word of...

21/3,K/10 (Item 2 from file: 20) **Links**
Dialog Global Reporter
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11604705 **(USE FORMAT 7 OR 9 FOR FULLTEXT)**
Hotel e-biz slow to take off

Section Title: Business & Finance
Megan Harris
PRAGUE POST
June 14, 2000
Journal Code: WTPP   **Language:** English   **Record Type:** FULLTEXT
Word Count: 691

...client makeup is 65 percent business and 35 percent tourist, director of
sales Michal Chour **estimated** that online **reservations** had
risen from 0.01 to 0.04 percent from January to March of this...

...as to have links on sites which are of interest to the guests, for
example **weather** sites, official sites of cities and so on. Although
it is not easy to get...

...you do so, it is often very expensive." For example, the Web site
NetHotels gives **customers** two options - joining as a partner with
direct "real online" booking, which costs more, or...

Naics Codes/Descriptions:
514191 (On-Line Information Services); 45411 (Electronic **Shopping**
& Mail-Order Houses); 72111 (Hotels exc Casino Hotels & Motels);
56159 (Other Travel Arrangement & Reservation Services)

24/3,K/5 (Item 3 from file: 16) <u>Links</u>
Gale Group PROMT(R)
07612940   **Supplier Number: 62002673 (USE FORMAT 7 FOR FULLTEXT)**

Online calculator prevents grid overload, enhances reliability.(Brief Article)(Statistical Data Included)
Lee, Stephen
Electric Light & Power , v 78 , n 4 , p 22
April , 2000
Language: English   **Record Type:** Fulltext
Article Type: Brief Article; Statistical Data Included
Document Type: Magazine/Journal ; Trade
Word Count: 998

...almost simultaneously with IDC for the Eastern Interconnection.
      Ultimately, EPRI and others envision a larger "**transaction
reservation** and flowbased congestion management system." Such a
system would integrate IDC; the existing Open Access...

24/3,K/9 (Item 1 from file: 613) <u>Links</u>
PR Newswire
0002108008   I7C356EB00B7411DB9A85CCB219283602 **(USE FORMAT 7 FOR FULLTEXT)**
**ReserveAmerica and Fleetwood Folding Trailers Launch Industry First: RV and Campsite Rentals in One
Online Transaction 'Try before you buy' made easy for the surging interest in RV ownership.**

PR Newswire
Tuesday , July 4, 2006   T15:28:00Z
Journal Code: PR **Language:** ENGLISH **Record Type:** FULLTEXT **Document Type:** NEWSWIRE
Word Count: 436

Text:

 ReserveAmerica, the United States' leading recreation
reservation service and Fleetwood Folding Trailers, America's
largest RV manufacturer, have exclusively partnered to enable consumers to
rent Fleetwood RVs through ReserveAmerica's online national
reservation service. This first-ever RV and campground single
transaction reservation service will launch this summer
featuring Fleetwood's Sun Valley RV model, which comfortably sleeps...

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[File 635] **Business Dateline(R)** 1985-2007/Jun 28
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[File 492] **Arizona Repub/Phoenix Gaz** 19862002/Jan 06
(c) 2002 Phoenix Newspapers. All rights reserved.
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[File 633] **Phil.Inquirer** 1983-2007/Jun 27
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[File 641] **Rocky Mountain News** Jun 1989-2007/Jun 28
(c) 2007 Scripps Howard News. All rights reserved.

[File 702] **Miami Herald** 1983-2007/Jun 21
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[File 703] **USA Today** 1989-2007/Jun 28
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[File 704] **(Portland)The Oregonian** 1989-2007/Jun 27
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[File 715] **Christian Sci.Mon.** 1989-2007/Jun 28
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[File 725] **(Cleveland)Plain Dealer** Aug 1991-2007/Jun 27
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[File 476] **Financial Times Fulltext** 1982-2007/Jun 28
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[File 477] **Irish Times** 1999-2007/Jun 28
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[File 710] **Times/Sun.Times(London)** Jun 1988-2007/Jun 28
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[File 711] **Independent(London)** Sep 1988-2006/Dec 12
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*File 711: Use File 757 for full current day's news of the Independent, as as well as full coverage of many
additional European news sources.*

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```
; d s
Set      Items    Description
S1        1827    S (CALCULAT??? OR FIGUR??? OR COMPUTE OR COMPUTES OR COMPUTING OR
DETERMIN? OR ESTIMAT? OR FIND??? OR ASCERTAIN??? OR FORMULA? ? OR EQUATION? ?) (3N)
RESERVATION? ?
S2      380254    S RESERVATION? ?
S3        8953    S (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER? ? OR TOTAL? ? OR MANY)
(3N) RESERVATION? ?
S4       20013    S (TARGET OR GOAL OR OBJECTIVE OR DESIRED) (3N) (AMOUNT? ? OR NUMBER? ? OR
TOTAL? ?)
S5      167953    S (PROSPECTIVE OR EXPECTED OR HOPED() FOR OR INTENDED OR LIKELY OR PLANNED
OR POSSIBLE OR POTENTIAL OR ESTIMATED) (3N) (VOLUME OR QUANTIT??? OR AMOUNT? ? OR NUMBER?
? OR TOTAL? ? OR WALK()INS)
S6      580635    S DISCOUNT???
S7     4493493    S WEATHER OR METEOROLOGICAL()OUTLOOK OR RAIN OR STORM OR SUN OR SUNNY OR
CLOUDY OR COLD OR WARM OR HOT
S8       13143    S DAY? ?()WEEK? ?
S9     5662189    S BUY OR SHOPPING OR SHOP OR STORE OR PURCHASE OR RETAIL???
S10          1    S TRANSACTION()RESERVATION? ? OR TIME()BASED()TRANSACTION? ?
S11         58    S S1 (S) (S3 OR S4 OR S5)
S12          6    S S11 (S) S6
```

```
S13          6    RD  (unique items)
S14         34    S S1 (15N) S7
S15         34    S S14 (3N) S9
S16         30    S S15 NOT PY>2001
S17          4    S S16 AND (S3 OR S4 OR S5)
S18       8952    S S2 (S) S3
S19        622    S S4 (2N) (CONSUMER OR CONSUMERS OR CUSTOMER OR CUSTOMERS OR CLIENT OR
CLIENTS OR SHOPPER OR SHOPPERS OR PURCHASER OR PURCHASERS OR BUYER OR BUYERS OR SUBSCRIBER
OR SUBSCRIBERS OR USER OR USERS OR PERSON? ? OR PEOPLE)
S20          2    S S18 (S) S19
S21          0    S S20 NOT PY>2001
```

13/3,K/1 (Item 1 from file: 471) <u>Links</u>
New York Times Fulltext

03096060 **NYT Sequence Number: 097934951210 (USE FORMAT 7 FOR FULLTEXT)**
Shifting Rates of Hotel Rooms
SUZANNE CARMICHAEL
New York Times , Late Edition - Final ED , Col 1 , p 16
Sunday December 10 1995
Document Type: Newspaper **Language:** English
Record Type: Fulltext
Word Count: 1596
(USE FORMAT 7 FOR FULLTEXT)

Text:

...factor is often how a customer contacts the hotel: directly or through
the central 800 **number**.
    To explore the **potential** discrepancies, I called 13 hotels in 11
cities on Nov. 10, requesting the least expensive...

...asked whether I was a member of a convention, or eligible for any other
special **discount**, I said "no." To make things more interesting, I
visited three Seattle hotels on Nov...

...have opened up based on people calling the hotel directly to cancel or
change their **reservation**."
    To **determine** if any generally available **discounts** could
further reduce the "least expensive room" rates quoted by any of the hotels
or their central reservation services, each call ended with a query about
any general **discounts** including those available to members of the
American Association of Retired Persons and senior citizens...

...reductions. A.A.A. rates did provide additional savings at four hotels
but even these **discounted** rates were not always available from both
direct and central 800 numbers.
    When I visited...

13/3,K/2 (Item 1 from file: 492) <u>Links</u>
Arizona Repub/Phoenix Gaz

05040496

NATION'S AIRLINES STILL FLYING HIGH

PHOENIX GAZETTE (PG) - MONDAY May 29, 1989
By: Marcy Gordon , The Associated Press
Edition: Final Chaser Section: Business Page: B6
Word Count: 902

...more creative ways of making money.

The most important strategy. is the use of sophisticated
reservations computers to determine the lowest
possible number of cut-rate tickets that should be offered on
each flight. That's why it's often difficult or impossible to get a
discount seat on a high-demand, New York-Los Angeles Sunday
afternoon flight, and easy to...

13/3,K/3 (Item 1 from file: 633) Links
Phil.Inquirer
(c) 2007 Philadelphia Newspapers Inc. All rights reserved.
05035768

A BRIGHT SUMMER FOR AIRLINES GAINS FORECAST DESPITE TROUBLES

PHILADELPHIA INQUIRER (PI) - SUNDAY May 28, 1989
By: Marcy Gordon, Associated Press
Edition: FINAL Section: BUSINESS Page: G01
Word Count: 840

...for airlines to make more money.

The most important strategy is the use of sophisticated
reservations computers to determine the lowest
possible number of cut-rate tickets that should be offered on
each flight. That's why it's often difficult or impossible to get a
discount seat on a high-demand, New York-Los Angeles Sunday
afternoon flight, and easy to...

13/3,K/5 (Item 2 from file: 641) Links
Rocky Mountain News
(c) 2007 Scripps Howard News. All rights reserved.
05001538

STRONG SEASON FOR U.S. AIRLINES SEEN BY ANALYSTS EASTERN STRIKE BOON FOR OTHERS

ROCKY MOUNTAIN NEWS (RM) - TUESDAY MAY 30, 1989
By: MARCY GORDON AP BUSINESS WRITER
Edition: FINAL Section: BUSINESS Page: 16B
Word Count: 738


```
...to other ways of making money.

   The most important strategy is the use of sophisticated
reservations computers to determine the lowest
possible number of cut-rate tickets that should be offered on
each flight. That's why it's often difficult or impossible to get a
discount seat on a high-demand, New York-Los Angeles Sunday
afternoon flight, and easy to...
```

13/3,K/6 (Item 1 from file: 702) **Links**
Miami Herald
(c) 2007 The Miami Herald Publishing Co. All rights reserved.
13079056

GET LOWEST RATE ON ROOMS WITH THESE SIMPLE TIPS

Miami Herald (MH) - Sunday, March 20, 2005
By: Knight Ridder Service
Edition: Final Section: Travel Page: 10J
Word Count: 328


```
...hotels has more room-rate discretion. To secure the best rate, you
should always make reservations.

   * Find out about special weekend discounts, promotional
rates and off-season discounts. Also check if a package deal is
available, which could include hotel meals or tickets...
```

17/3,K/1 (Item 1 from file: 570) **Links**
Gale Group MARS(R)
(c) 2007 The Gale Group. All rights reserved.
01748274   **Supplier Number: 54504631 (USE FORMAT 7 FOR FULLTEXT)**
Caught in the Net.

Frances, Erin
Travel Agent , v 294 , n 11 , p 86(1)
April 19 , 1999
ISSN: 1053-9360

```
...site, as well as their rental experience. The newest addition to the
site is a Hot Deals To Go! link under Rates and Reservations,
where users can find the latest specials by state. Dollar is also in
the process of constructing a link...

...visitors can use it to locate vehicle photos and amenities, locations on
a map and reservation phone numbers. The site also includes a
Questions & Answers section for those unfamiliar with the rental
process...
```

17/3,K/3 (Item 1 from file: 492) **Links**
Arizona Repub/Phoenix Gaz
07743310

PERCHED ON THE EDGE OF TIME A VISIT TO THE HOPI MESAS

Phoenix Gazette (PG) - WEDNESDAY, August 31, 1994
By: Scott Craven, THE PHOENIX GAZETTE
Edition: Final **Section:** Tempo **Page:** D1
Word Count: 1,257

```
...as it was when Hopis settled in the 12th century. The tribe relies on
minimal rain to grow crops. Jobs are scarce, so many Hopis
leave the reservation to find work.

    More troublesome is the ongoing land dispute with the Navajos, whose
reservation engulfs the...
```

17/3,K/4 (Item 1 from file: 704) **Links**
(Portland)The Oregonian
09119164

HAPPY DAYS AHEAD FOR KAH-NEE-TA

Oregonian (PO) - TUESDAY, April 29, 1997
By: JEANIE SENIOR - Correspondent, The Oregonian
Edition: SUNRISE **Section:** BUSINESS **Page:** B18
Word Count: 780

...the multimillion-dollar destination resort that is the pride of the
Confederated Tribes of the **Warm** Springs **Reservation**. ``You
couldn't **find** it.''

   Guest tepees and cabins, the pool house and the restaurant next to the
Warm Springs River were demolished. Only the upper portion of the RV
park and one cabin...

...000 of that was not attributed to the village'' closure; the resort
doesn't release **total** revenues. Jarrett **estimated** that it
also meant a 40 percent decline in employment at the resort, where the...

Bulletin of the Technical Committee on

Data Engineering

Letters

Special Issue on Infrastructure for Advanced E-Services

Sell-side Channel Integration - Tavant's Approach

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Contact : {srinivas.narayanan, subbu.n}@tavant.com

Abstract

This paper describes the challenges in building a next generation e-business solution that allows businesses to manage their sell-side distribution channels especially when the channels involve intermediaries such as dealers. We present the Tavant platform that provides a solution to this complex problem and discuss some of its main features and components. We describe the Channel Configurator component that provides a framework to support the high-configurability requirements of the channel. We also discuss the platform's support for time-based transactions such as rentals which is becoming a prominent transaction model in the sell-side channel.

1 Introduction

Over the past few years, the web has revolutionized the way corporations conduct their businesses. From allowing companies to deal directly with customers, to enabling businesses to interact with one another in an efficient way, the web has impacted the functioning of businesses in a hitherto unprecedented manner. In this paper, we discuss the challenges in building a next generation e-business solution that allows corporations to manage their sell-side distribution channels. We discuss the dynamics of complex, fragmented and multi-brand distribution channels that involve various intermediaries (such as dealers, large buyers, etc.), and Tavant's unique approach to addressing its needs.

Manufacturers sell products in different ways - some sell directly to customers, while others develop extensive, and sometimes exclusive, distribution channels to sell their products. The sell-side solutions being built today are focused largely on enabling manufacturers to establish direct relationships with customers and do not cater to the needs of the various partners in the distribution channel. Tavant's sell-side channel integration solution focuses on maximizing the economic value of sell-side distribution channels by making it easier for all participants to interact, leverage each others knowledge and customers, and gain transparency in the channel.

Figure 1 illustrates an example sell-side distribution channel for a construction equipment manufacturer. The channel partners include dealers, distributors, and national chains. The channel partners usually are independent, have their own geographically localized brands, and have relationships with multiple brands and/or manufacturers that may compete with each other. The channel partners are an essential part of the manufacturer's

Bulletin of the IEEE Computer Society Technical Committee on Data Engineering
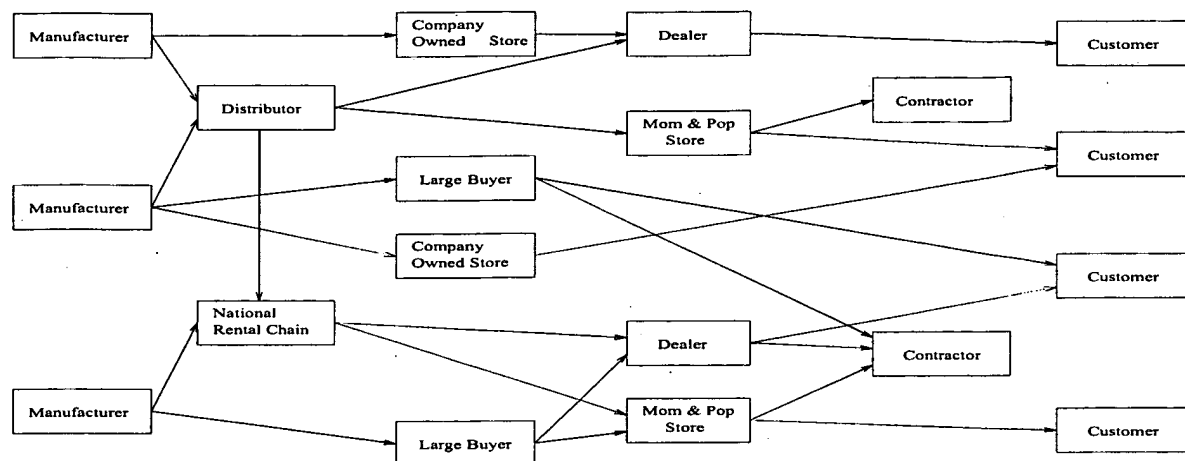
*see http://www.tavant.com

Figure 1: Example Sell-side picture for a construction equipment manufacturer

distribution strategy because they provide value added services like helping in product selection and configuration, supporting the after-sales needs of customers, managing the lifecycle of the products, and enhancing the value of the manufacturer's brand. Contrary to popular belief, the Internet will not dis-intermediate these critical cogs in the distribution wheel.

While the channel partners add great value and are critical to the success of a business, currently there exist no tools that help the manufacturer leverage the strength of the channel partners in an efficient way. On the contrary, several channel factors have an adverse affect on the manufacturer.

- *Brand confusion/dilution*: Channel partners participate in the distribution channels of several different manufacturers. The presence of several conflicting brands makes it hard for the manufacturer to establish a strong brand presence in the channel.

- *Fragmentation*: Most channel partners (e.g., dealers) are localized, independently owned, and have a limited number of locations. This makes it difficult for the manufacturer to obtain an integrated and up-to-date knowledge of their operations (e.g., inventory, sales data, demand forecasting).

- *Lack of knowledge of the customer*: The customers mostly interact with the channel partners and do not interact with the manufacturer. Thus, it is difficult for the manufacturer to understand the most important asset of their business - the customer.

- *Varied transaction models*: Transaction models such as rentals and leasing are becoming increasingly common. Manufacturers and channel partners have to adapt themselves to deal with the impact of these models on their businesses.

Channel partners also face several difficulties that adversely affect their productivity.

- *Insufficient liquidity of inventory*: Most channel partners suffer from an inability to share resources such as inventory and customer information with their peers. Sharing these resources can lead to tremendous benefits to the channel partners including better utilization of inventory and increased customer satisfaction.

- *Poor inventory planning*: For most channel partners, efficient management of the inventory is critical to the success of their business. The inability to communicate inventory supply and demand information with manufacturers leads to poor utilization of inventory. Manufacturers also face a similar problem due to their inability to access the inventory levels of channel partners such as dealers and distributors.

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Finally, from the perspective of the customers, a complex distribution channel consisting of a variety of independent, autonomous channel partners ultimately leads to confusion and poor buying experience.

- *No single point of contact for after-sale needs*: Ideally, customers should be only aware of a single entity for their after-sales and service needs. Fragmented and loosely coupled distribution channel can lead to multiple points of contact for these needs leading to customer confusion.

- *No single point of contact for related product needs*: In order to get a seamless buying experience, customers should not have to deal with multiple sellers to obtain related products and services. A distribution channel that does not allow for sharing of resources and information among the partners will deprive the customers of their preferred "single point of contact" customer experience.

- *No unified account management*: Large national customers would like to have a single account that works across channel members belonging to different geographic locations with portable credit across these members.

Tavant has built a sell-side commerce platform to specifically address the above needs by enabling manufacturers as well as the channel partners to better manage the channel by improving communication between each other and with the end-customers. Tavant's solution gives manufacturers more visibility into the channel, enables them to extend the reach of their brands, and allows them to participate in downstream revenues[1]. Channel partners, in turn, gets a solution that gives them access to the manufacturers resources such as inventory, allows them to participate in multiple networks where they can cross-sell complementary inventory to customers, and lets them manage their existing business relationships more efficiently.

As mentioned earlier, current sell-side solutions are focused on enabling manufacturers to establish direct relationships with customers. These attempts have not been well-received by the channel partners and have created channel conflict, resulting in limited success. Tavant's solution, on the other hand, is architected to address the challenges in integrating complex distribution channels and is designed to empower the channel partners.

In Section 2, we present the *Tavant Platform* and provide an overview of a few important components of the platform. In Section 3, we discuss an important feature of the platform that allows channel members[2] to tailor their experience based on their individual preferences. We discuss the unique time-based transaction component in Section 4 and conclude in Section 5.

2 Tavant Platform

One of the challenges in building a channel integration platform is to develop a core set of concepts - i.e. a *model*, that supports the diverse needs of the channel and is able to adapt to its evolving needs. The Tavant platform consists of a flexible model and a variety of features to integrate and manage channel partners. These include:

- **Network and Website Management** : Allows manufacturers to create networks to aggregate the various partners in their sell-side channel and their assets (such as inventory) into a logical unit. Channel members can create customized websites which act as access points into the networks.

- **Custom Channel Views** : Offers customized views of the various types of channel members to other channel members. These views bring true transparency and integrity to a fragmented distribution channel. We list a few examples below and mention some of the benefits they bring to the channel members :

---

[1]Revenues generated after initial sale through services, parts sale, etc.
[2]All the players in a channel - including the manufacturer, channel partners, and customers.

Manufacturer A's Network (N1) **Manufacturer G's Network (N2)**

| Manufacturer A | Dealer B | Customer C | Dealer D | Customer E | Dealer F | Manufacturer G |

| MF-A.com | DL-B.com | DL-D.com | DL-F.com | MF-G.com |

Websites

End Applications :
Rentals, Used/New Product Sales, Services, etc.

Platform Services :
Catalog Mgmt, Order Mgmt, Pricing,
Channel Mgmt, Inventory Mgmt,...

| Channel Configurator | Time-based Transactions |

Horizontal Services :
Internationalization, Security,
Database Access

XML Connectors

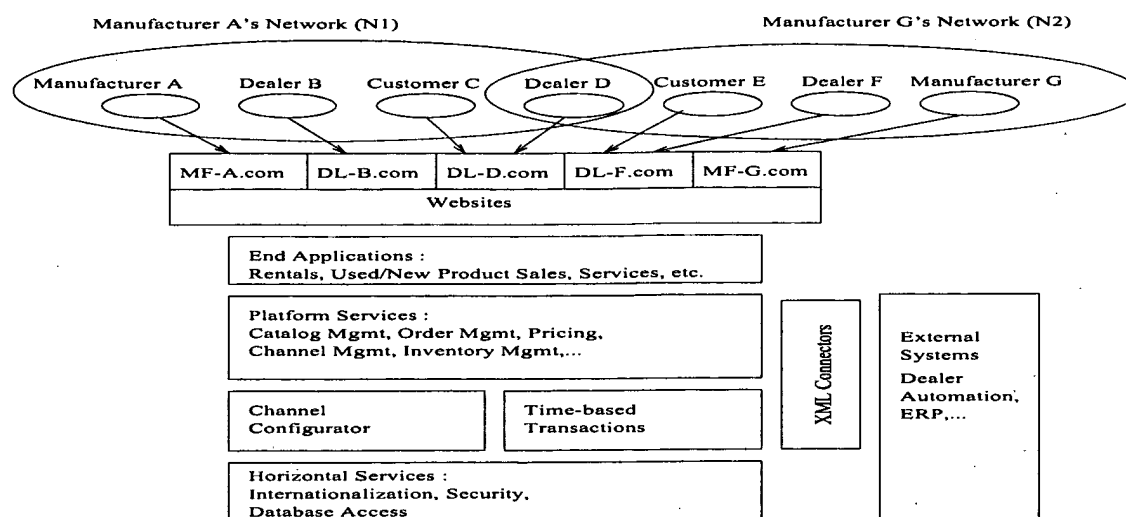External Systems
Dealer Automation,
ERP,...

Figure 2: Tavant platform - Application Architecture

- M2D : Manufacturer's view of Dealers. Gives the manufacturer access to the dealers' inventory, and sales and rental data. This helps them in demand forecasting and planning production operations.

- D2M : Dealer's view of Manufacturers. Helps the dealer to access product information and production capacities of the manufacturers which can help them improve their inventory utilization.

- D2D : Dealer's view of other Dealers. Enables the dealer to share inventory with other dealers to increase their inventory liquidity, and also enables them to communicate product and customer information with other dealers in an efficient way.

- C2D : Customer's view of Dealer. Provides the customer with commerce facilities (product search, order management etc.) on a dealer's website. If the dealer shares inventory of other channel members, the customer can get a wider selection of similar and related products on the same dealer's site. The customer can thus have a single point of contact for most of his product needs.

● **Micro-channels** : Channel partners such as dealers can create sub-networks consisting of partners that don't belong to the original network. For example, a dealer can create a micro-channel consisting of the various independent retail stores that he deals with. The sub-network adds utility to and derives benefit from the main network. The ability of channel partners to create micro-channels helps the networks and sub-networks expand their scope in an easy and scalable way.

● **Multi-network membership** : A channel partner can belong to multiple networks. This provides greater visibility to the partner, brings more customers and revenue opportunities, and increases the number of members whom they can partner with.

● **Integrated login** : A customer in a network can use their login, account, and credit in all the websites of the various members of the network.

● **Multiple transaction models** : Supports various kinds of transactions that happen in the channel such as New Product Sales, Used Product Sales, Rentals, and Services.

The Tavant platform is offered as a hosted service (ASP) to its customers. Figure 2 illustrates the application architecture of the platform. It consists of a variety of core sell-side e-commerce services like Catalog Management, Product Search, Pricing, and Order Management. These commerce services can be integrated to create

4

specific end applications like Rentals, New/Used Product Sales, and Services. The *Order Management* service supports multiple kinds of workflows through which an order can be submitted. These include *Instant*, in which the order is completed in real-time and in sync with the user's action, *Request-Response-Confirm*, in which the user requests for price, availability or other information from the supplier and then confirms the order when he gets a response, and *Request for Quotes (RFQ)*, in which a user sends a request to many suppliers and accepts the most favorable quote(s). Another platform service, namely the *Channel Management* service, supports most of the channel integration features described earlier. The platform also provides XML based connectors to integrate with external systems such as dealer automation software, ERP applications and legacy systems. This allows channel members to continue to use their existing systems for their regular operations.

The platform also contains two core components, *Channel Configurator* and *Time-based Transactions*, that provide infrastructure for the various platform services. *Channel Configurator* provides a framework to support the extensive customization needs of the various channel integration features. The *Time-based Transactions* component provides services to support time-based transaction models such as rentals and service-scheduling (e.g., scheduling repairs and inspections). We discuss these components in the next two sections.

3   Channel Configurator

As discussed earlier, the requirements of sell-side channels are varied and dynamic. Hence, the channel integration features supported by the platform need to be highly configurable. The Channel Configurator provides a framework to address these configurability requirements. A website that is created to access a network can customize the site along various dimensions such as

- **Data** : Select from available product categories; filter products based on attributes such as manufacturer.

- **Operations** : Choose from available applications such as Sales (New/Used), Rentals; choose from various workflow models such as *Instant, Request-Response-Confirm*, and *RFQ*.

- **Presentation (Look-and-Feel)** : Choose from a set of UI styles; pick branding, logo, and colors.

The Channel Configurator also provides a mechanism for channel members to (a) specify the parts of their data they wish to expose to other members, and (b) to specify, from the parts exposed by other members, the parts of data they wish to access. This allows the channel members to retain the security and confidentiality of their data, and at the same time allow for greater channel transparency and information exchange between the members. This mechanism forms an important part of the Custom Channel Views functionality described in section 2.

We now illustrate some of the configurability choices with an example based on figure 2. Manufacturers *A* and *G* have created networks - Network N1 and Network N2 respectively, to integrate their sell-side channel, and created websites MF-A.com and MF-G.com to access the network. Other channel partners - Dealer *B*, Dealer *D* and Dealer *F*, have also created websites (namely, DL-B.com, DL-D.com, and DL-F.com) to access the networks. Dealer *D* carries products manufactured by both *A* and *G* and is a member of both networks. As an example of selecting what data to expose, dealers *B* and *D* may not share inventory with each other, but *D* can share inventory with both *A* and *G*. To preserve their branding, *A* can filter the products listed on MF-A.com to the product categories relevant to *A*, and within those categories restrict them to only those manufactured by *A*. Hence, when a user visits MF-A.com, he can see products carried by *D* that are manufactured by *A* but cannot see products of *D* that are manufactured by *G*. As an example of an operation filter, manufacturer *A* who may only sell new products to its customers, can choose to expose only the new sales application on MF-A.com. On the other hand, Dealer *D* may sell and rent products, and hence can decide to expose new sales, used sales, and rentals on DL-D.com. As another operation customization, *A* can enable *RFQ's* on MF-A.com to help customers

request quotes from multiple dealers - dealers *B* and *D* for example. On the other hand, *D* may have no need for such a functionality, and hence disable *RFQ's* on DL-D.com.

One of the important challenges in architecting the Channel Configurator component is to support these high-configurability requirements in a single platform. Further, the interplay between the various functionalities and the variety of configuration knobs also pose special challenges - for example, supporting keyword based product search on a large number of channel websites with varying data filters on each website. The Channel Configurator has been architected with the aim of enabling our solution for *"configurability without custom programming"*. This approach, unlike many ERP solutions that require programming and huge deployment costs for client-side customization, allows for easy and rapid customization of Tavant's solution.

4 Time-based Transactions

Renting is a common transaction model that occurs frequently in the real world. One of the unique features of the Tavant platform is its support for rentals and other time-based transactions such as service scheduling. With it, the platform can support networks consisting of rental stores, and dealers and manufacturers of rental products.

Most of the current e-commerce systems only enable buy/sell transactions and these systems do not have a fundamental notion of time. The few existing solutions that deal with the concept of time are very domain-specific (e.g., SABRE platform in the travel industry). We now look at some of the necessary and useful services needed to support time-based transactions in an e-commerce system.

- Availability : The system has to check whether the required quantity of the resource is available for the requested time period. The availability computation unit has to check all existing orders and ensure that the requested quantity is available at all times during the requested time period. The challenge is in developing an efficient method to answer this complex query with low response time.

- Alternatives : If the resource is not available, the system can suggest "close" alternatives. The challenge is to determine what is "close" - partial quantity, a different time-period, a different provider of that resource or a similar resource.

- Complex transaction requests : A customer may want certain units of a resource at the "earliest possible time".

- Dynamic pricing : Pricing could be based not just on when the transaction occurs (weekends/weekdays, holidays, seasons etc.), but also on duration of the transaction.

The *Time-based Transactions* component incorporates the concept of time in a fundamental way and is designed to cater to the above challenges.

5 Conclusion

Integrating the sell-side channel of a business greatly improves the efficiency and economic value of the channel. The Tavant platform provides a solution to address the integration needs of channels that involve various intermediaries (such as dealers, large buyers, etc.). The platform contains a core set of concepts to model this complex problem, and provides features such as Network and Website creation, and Custom Channel Views to integrate the channel and improve its transparency. The solution needs extensive configurability to support the diverse needs of the channel, which creates significant engineering challenges. The Channel Configurator is a configuration framework that is designed to handle these challenges. With its support for time-based transactions, the Tavant platform has the unique ability to integrate sell-side channels involving rental stores, and dealers and manufacturers of rental products.